

FFY09 Year-End Annual Report

MassDEP/U.S. EPA Region I Environmental Performance Partnership Agreement: 2007-2009

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Introduction

This document is the Massachusetts Department of Environmental Protection's (MassDEP's) Federal FY 2009 Year-End Annual Report for the MassDEP/US EPA-Region I Program Plan/Performance Partnership Agreement (PPA). In Federal FY 2009 (October 1, 2008 – September 30, 2009), MassDEP received about \$13 million from U.S. EPA under an umbrella grant agreement called the Performance Partnership Grant (PPG). The PPG, and the associated narrative agreement that outlines work commitments to be performed by MassDEP (called the Performance Partnership Agreement [PPA]), covers MassDEP's implementation of federally-delegated programs under the Clean Air Act, Clean Water Act, RCRA, etc. For the last 10 years, MassDEP has elected to combine the annual PPA narrative with the annual agency-wide Program Plan in an attempt to have a single comprehensive plan for the agency's activities for the coming year (including federally-funded and non-federally funded).

This document provides information on MassDEP's accomplishments for FFY 2009 and has three parts:

Part 1: Accomplishment Highlights -- Brief narrative summary of noteworthy accomplishments in FFY09. These accomplishment highlights are organized into the following goal areas:

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For more information on MassDEP's activities, including MassDEP Program Plan/Environmental Performance Partnership Agreements (PPAs) and Year-End Annual PPA Reports for previous years, please see the MassDEP website at the following URL: <http://www.mass.gov/dep/about/priorities/ppahome.htm>

For additional information on Massachusetts environmental progress and trends, see the MassDEP website:

- MassDEP priorities and results: <http://mass.gov/dep/about/missionp.htm>
- Statistics & Progress on Cleaning Up Oil and Hazardous Waste Sites in Massachusetts:
<http://www.mass.gov/dep/cleanup/priorities/progeval.htm>
- Trends in air pollution: <http://www.mass.gov/dep/air/priosres.htm>
- Trends in solid waste generation: <http://www.mass.gov/dep/recycle/priorities/dswmpu01.htm#recycling>
- Trends on toxics use reduction: <http://www.mass.gov/dep/toxics/tura/turadata.htm>
- Status of water, waste water and wetlands: <http://www.mass.gov/dep/water/priorities/epphome.htm>

GOAL 1: Clean Air and Global Climate Change

The Regional Greenhouse Gas Initiative (RGGI)

The ten Northeast and Mid-Atlantic states participating in RGGI (Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New Hampshire, New York, Rhode Island and Vermont) have designed and implemented the first market-based, mandatory cap-and-trade program in the U.S. to reduce greenhouse gas emissions. Through RGGI, CO₂ emissions from the electric-power generating sector are capped at 188 million short tons per year through 2014. The cap will be reduced by 2.5 percent in each of the four years 2015 through 2018, for a total reduction of 10 percent.

The states participating in the nation's first cap-and-trade system for greenhouse gases conducted their fifth regional auction of carbon dioxide (CO₂) allowances on September 9, 2009. The auction marks one year since the debut of the Regional Greenhouse Gas Initiative (RGGI) auctions and brings the total amount of proceeds to more than \$432.7 million since September of 2008. Massachusetts revenue raised from these auctions is almost \$70 million which is being used for energy efficiency and renewable energy projects across the Commonwealth. More than 100 bidders, including electric utilities, manufacturers, financial institutions, environmental groups, and individuals have participated in the RGGI auctions for CO₂ allowances since September 2008.

RGGI agency heads are also looking at new areas for collaboration and possible regulation, including establishment of a regional low carbon fuel standard, best practices for land use /smart growth/vehicle miles travelled reduction, and opportunities for offshore carbon capture and sequestration. For more information go to: www.rggi.org

A Regional Low Carbon Fuel Standard (LCFS)

The Commonwealth's Clean Energy Biofuels Act required Massachusetts to seek an agreement with its fellow Regional Greenhouse Gas Initiative (RGGI) member states to implement a Low Carbon Fuel Standard (LCFS) on a regional basis to help reduce transportation-related greenhouse gas emissions, reduce regional vulnerability to petroleum price volatility, and facilitate the long-term transition from petroleum-based fuels in the transportation sector. A LCFS is also anticipated to spur economic growth related to development of advanced technologies and green energy jobs.

In December 2008, state environmental and energy commissioners of the 10 RGGI states plus Pennsylvania signed Letters of Intent to conduct preliminary work toward designing a regional market-based, fuel-neutral program to address the carbon content of fuels.

On December 30, 2009, Governors of 11 Northeast and Mid-Atlantic states took the next step toward developing a regional Low Carbon Fuel Standard (LCFS) by signing a Memorandum of Understanding that commits their states to continued participation in a regional effort to reduce greenhouse gas emissions from fuels for vehicles and other uses.

The Memorandum of Understanding establishes a process to develop a regional framework by 2011, and examine the economic impacts of a LCFS program. The states have committed to including strong business, energy and environmental stakeholder involvement in the process by providing opportunities for input and review of any proposed LCFS program.

Signing the Memorandum of Understanding were the Governors from Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island and Vermont.

For additional Information on the MOU, visit
http://www.mass.gov/dep/air/climate/lcfs_mou_gov_fin.pdf

The Global Warming Solutions Act (GWSA)

Greenhouse Gas Emissions Reduction Planning: The Massachusetts [Global Warming Solutions Act \(GWSA\)](#) requires that the Commonwealth achieve greenhouse gas (GHG) emissions in 2020 that are between 10 percent and 25 percent below 1990 levels, and that the state develop an economy-wide plan to achieve these reductions by January 1, 2011. In FY09, MassDEP was a leading agency as Massachusetts established 12 interagency climate policy subcommittees to review and evaluate the state's strategies and policy options that are available to achieve the GWSA emission targets. During July 2009, these groups held public discussions with experts and leading thinkers in a variety of policy focus areas. Also in July 2009, MassDEP and the Mass. Executive Office of Energy & Environment issued the GHG emissions baseline for our "base year" of 1990, to which all targeted emissions reductions will be compared and the "business as usual" emissions projection for 2020 and 2050. This inventory and projection will allow the Commonwealth to determine the emission reductions needed to establish and plan for the GWSA targets of 10-25% reduction from the 1990 baseline by 2020, and 80% reduction by 2050.

Greenhouse Gas Emissions Reporting: The GWSA also requires MassDEP to promulgate GHG reporting regulations to address, among other provisions, "verification," "voluntary reporting" and "reporting by retail sellers of electricity." In June 2009, MassDEP issued rules on mandatory GHG emissions reporting from facilities with more than 5000 tpy of GHG, with the first annual emissions reports due by April 15, 2010. Under the new rules, MassDEP anticipates that approximately 300 facilities will be required to report their GHG emissions. Facilities range from the Brayton Point power plant in Somerset to the campuses of the University of

Massachusetts system. Most regulated facilities will be required to report "direct emissions," such as those from factory fuel burning, manufacturing processes and vents; some are also required to report emissions from motor vehicles.

For calendar year 2009, regulated facilities must report only emissions from carbon dioxide. Starting in 2010, those facilities must also report emissions from the six primary GHGs: carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride.

Climate Change Adaptation Planning: The GWSA also mandates that the Commonwealth establish an external advisory committee on efforts to adapt the impacts of climate change. These effects are predicted to include increased sea levels, warming temperatures, and increased incidences and severity of floods and droughts. Based on input from this advisory committee, the Massachusetts Executive Office of Energy and Environmental Affairs (EEA) must submit a report to the legislature by December 31, 2009, analyzing adaptation strategies. On June 4, 2009, MassDEP assisted EEA in launching the Mass. Climate Change Adaptation Advisory Committee. Learn more about the Commonwealth's Climate Change Adaptation Advisory Committee at
<http://www.mass.gov/dep/public/committee/ccaac.htm>

For additional information on all aspects of the Mass. GWSA implementation, go to:
<http://www.mass.gov/dep/air/climate/index.htm>

Monitoring Climate Changes for Water Resources

MassDEP co-sponsored a workshop in September 2009 on "*Data Needs to Monitor and Respond to Climate Change Impacts on Water Resources in New England*". The workshop was hosted by the Mass Water Resources Research Center and The Environmental Institute at UMass Amherst, and

sponsored by the U.S. EPA with additional support from MassDEP and the New England Interstate Water Pollution Control Commission. Approximately 50 expert participants from federal and state government, non-governmental organizations, and academia attended to summarize existing data sets, discuss changing information gaps, and identify critical monitoring, modeling and detection needs to plan and respond to climatic changes in New England.

Encouraging Energy Efficiency and Renewables Among our Regulated Community

Encouraging Energy Efficiency & Renewables at DW and WW Facilities

The Massachusetts State Revolving Fund (SRF) loan programs for both drinking water and wastewater in FY09 incorporated the goals of energy efficiency, energy conservation and renewable energy generation into its financing decisions. Beginning in the financing year for 2009 - 2010, proponents of proposals that include energy efficiency or renewable energy elements will earn additional points under SRF criteria ranking, making those proposals more competitive in the selection process. MassDEP is also coordinating 2010 SRF awards with the state's Municipal Energy Audit Assistance Program run out of the Mass. Dept. of Energy Resources (DOER) in order to help complete DOER's municipal audits at communities with upcoming SRF projects. The list of wastewater projects recommended by MassDEP for SRF financing in 2009 may be found in the "2009 Clean Water State Revolving Fund Final Intended Use Plan (IUP)" at: <http://www.mass.gov/dep/water/wastewater/wastewat.htm#cwsrf> . The list of drinking water projects may be found at: <http://www.mass.gov/dep/water/wastewater/wastewat.htm#dwsetup>

Massachusetts Energy Management Pilot for Waste Water and Drinking Water facilities

In addition to making changes to the State Revolving Fund that encourage energy improvements, MassDEP was successful in helping identify and implement significant energy improvements at 21 municipal drinking and wastewater treatment facilities. Fourteen of these facilities were participants in a multi-stakeholder pilot project launched in December 2007, and seven additional facilities qualified for SRF / ARRA green infrastructure funding for significant energy improvements. We estimate these projects will save approximately \$5 million annually in energy costs through improved efficiency and clean energy generation, and result in 22,000 tons of CO2 emission reductions each year.

Additional information on the Massachusetts Energy Management Pilot for Waste Water and Drinking Water facilities may be found at:

<http://www.mass.gov/dep/water/wastewater/empilot.htm>

Renewable Energy at Closed Landfills

MassDEP and the Massachusetts Department of Energy Resources (DOER) presented a workshop on June 17, 2009, for municipal officials, solid waste consultants and renewable energy project developers about the development of solar and wind installations at closed landfills.

Workshop presentations addressed siting considerations, potential impacts on landfill caps, economic incentives currently available to minimize installation costs, and case studies of renewable energy installations on closed municipal landfills. Additional information on the workshops and presentations materials may be found on the MassDEP website at: <http://www.mass.gov/dep/energy/lfwkshop.htm>

Sustainable Remediation

As part of achieving the Commonwealth's clean energy policy goals, MassDEP's Waste Site Cleanup program developed a

web page promoting the incorporation of sustainability considerations into remedy selection, implementation, and optimization at hazardous waste (aka "21E") sites. Sustainable Remediation maximizes the net environmental, societal and economic benefits of a cleanup.

Whether implementing a new remedy or optimizing an existing remedy, sustainable practices are those that build on environmental practices in use across business and public sectors to reduce:

- consumption of non-renewable energy
- the use of resources such as land and water
- ecosystem impacts
- material consumption and waste generation
- emissions of greenhouse gases

The principles of Sustainable Remediation and the opportunities within the existing MCP process that are available to reduce the footprint of cleanup activities throughout the life of a project are outlined on the MassDEP's new Sustainable Remediation web page at <http://www.mass.gov/dep/cleanup/priorities/susrem.htm>.

MassDEP has developed this web page to identify emerging best practices and provide case examples to support parties involved with a waste site cleanup in their efforts to integrate sustainable approaches into their remedy selection, and implementation and optimization.

Energy Supplemental Environmental Projects (SEP)

Supplemental Environmental Projects, or SEPs, are environmentally beneficial projects that a violator voluntarily agrees to undertake in settlement of an enforcement action, but which the respondent is not otherwise legally required to perform. MassDEP has revised its SEP Policy to allow increased flexibility to implement energy-related SEPs as part of settlement of agency enforcement actions. The revised

policy will, for the first time, include energy conservation and use of renewable energy as examples of possible SEP projects in the appropriate cases.

For additional information on MassDEP's SEP Policy, visit our website at: <http://www.mass.gov/dep/service/enfpol.htm>

Green Roofs

Outreach materials encouraging the development of green roofs were developed in FY09 and posted on the MassDEP website. Green roof systems are designed to retain precipitation where the water is taken up by plants and transpired into the air, resulting in much less water run off compared to conventional rooftops. Green roofs also promote energy savings for heating and cooling systems. Green roofs can:

- reduce heating and cooling costs;
- absorb and store large amounts of heat when they are wet, so they are able to reduce temperature fluctuations;
- decrease the flow of heat through the roof when they are dry, and in turn, reduce the energy needed for heat in the winter and air conditioning in the summer;
- reduce cooling costs by reducing the temperature of the roof surface and the ambient air; and
- reduce both peak and total energy demand.

For additional information on MassDEP's green roof outreach materials, visit our website at

<http://www.mass.gov/dep/water/wastewater/grnroof.htm>

New Regulations Encouraging Combined Heat and Power (CHP)

In October 2008, MassDEP amended its NOx emission limits for engines and turbines used in combined heat and power systems in order to promote the use of these systems by reducing the cost of air pollution controls. Combined heat and power systems increase energy efficiency by capturing waste heat from electrical power generation and using it to provide

space heating. Such systems allow companies to avoid the use of a separate boiler for this purpose.

Under the new regulations, engines and turbines used for combined heat and power are allowed to emit as much NOX per MBTU of energy burned as they would be allowed to emit assuming they had both a boiler and the engine or turbine. This still results in reduced total emissions, because fewer MBTUs of energy must be consumed to achieve the same amount of space heating and electricity production.

One project identified through the water treatment energy management pilot and then selected for funding through SRP/ ARRA money is a CHP system at Pittsfield's Wastewater treatment plant. It will be a 165 kW Combined Heat & Power (CHP) system that will recapture methane biogas from wastewater sludge digestion and optimize on-site electric power generation and heat recovery. The CHP system, along with a microturbine upgrade, are expected to reduce the plant's annual energy costs by 29%. For more information on these CHP regulations, see <http://www.mass.gov/dep/service/regulations/regsearch.htm#chp>

Clean Air

MassCleanDiesel

[MassCleanDiesel](#) is the nation's first fully-funded statewide program, designed to reduce air pollution from school buses. It was launched with funding from the Massachusetts Department of Transportation (MassDOT) and the federal government, including a grant from EPA. To reduce the exposure of children on buses to harmful diesel emissions and to reduce exhaust emissions to the air, all eligible diesel-powered school buses will receive retrofits, at no expense to bus owners. The results: cleaner rides for kids and healthier air for everyone.

As of December 2009, 812 busses serving 55 towns and 5 vocational technical schools have been retrofitted. Example projects completed in FFY09 include:

- Amherst-Pelham Regional installed retrofits on three buses that transport 335 students in both towns.
- Pembroke Schools installed retrofits on two buses, serving 60 students.
- Sharon Community Education installed retrofits on the one bus it owns, which transports approximately 80 students from the town's three elementary schools and one middle school to various afterschool and enrichment programs.
- Sturbridge Schools installed retrofits on six buses, serving 420 students. These are the first four school systems or school bus operators to complete the MassCleanDiesel retrofit program.

For additional information go to:

<http://www.mass.gov/dep/air/diesel/masscleandiesel.htm>

MA Auto Emission Performance Label

Motorists have an easy way to identify new vehicles that help cut down on smog and greenhouse gas emissions. Starting with model year 2010 vehicles, an "Emission Performance Label" is required to be affixed to the driver's side window so that consumers will have information they can use to choose the most environmentally friendly vehicle that meets their transportation needs. Massachusetts was among the first states to adopt the label developed by the state of California under its Low Emissions Vehicle (LEV) program. The label scores each vehicle's smog and global warming emissions on a scale from 1-10, with the highest scores being the cleanest vehicles. The smog score is based on the smog-forming emissions from the vehicle's operations. The Global Warming score is the emissions of greenhouse gas - carbon dioxide and other pollutants - from the vehicle's operation and fuel production. The average new car has a score of 5 on both scales. The labeling requirement was adopted in March of 2009. More information on the LEV Program and the Emission

Performance Label can be seen at:
<http://www.mass.gov/dep/public/press/1108ghga.htm>

Regulations Requiring Further Reductions of Volatile Organic Compounds (VOCs) Emissions from Degreasing Operations; Consumer Products and Paint Spray Booths

In 2009, MassDEP amended several regulations controlling VOC emissions. Limiting VOC emissions is important for two reasons. First, VOCs react with NOX creating ground level ozone (smog), which affects public health and damages forests and vegetation. Massachusetts is currently out of compliance with the 8-hour national ambient air quality standard for ozone. In addition, many individual VOCs are toxic and, at sufficient concentrations and exposure, are known to cause cancer or other serious health effects (such as reproductive effects or birth defects) and adverse environmental effects.

Degreasing operations are a significant source of VOC emissions. MassDEP lowered the permissible vapor pressure of solvents used in cold degreasing operations. The proposed amendments are based on similar control measures developed by the interstate Ozone Transport Commission, and adopted by several other New England states. MassDEP estimates that implementation of the proposed regulations will reduce VOC emissions from this category by 1,828 tons per year (or 7 tons per summer day) in 2009 compared to the currently regulated levels (i.e., a decrease of 32 percent in VOC emissions).

In addition, MassDEP promulgated technical amendments to its consumer product rules which would allow a company to average the VOC content across VOC-containing products in order to comply with the limits. This averaging provision is consistent with the model rule developed by the interstate Ozone Transport Commission, and is not expected to result in increased VOC emissions. Without such an averaging provision, MassDEP's current regulations would prohibit the

sale of consumer products for which a compliant alternative is not currently available.

On-Line Real-Time Air Quality Monitoring Website

MassDEP provides seasonal air quality forecasting for ground-level ozone concentrations - the main contributor to smoggy days in warmer weather - and year-round forecasting for fine particles concentrations. This fiscal year, an enhanced web site feature - MassAir Online - has been added that allows users to point and click on a map of the state to find current, near real-time, air quality data for any location in the MassDEP air monitoring network. Found at: www.mass.gov/dep/air/, MassAir Online uses a familiar Google Maps interface and color coding to display relative health risks from ozone and fine particles and other significant pollutants measured at 22 monitoring locations across Massachusetts. Developed through a grant from the U.S. EPA, the enhanced web site also features:

- User-customizable graphs that display hourly data for the most recent two days and daily values for the last week, month and year by monitoring site and pollutant - making it possible to identify air quality trends in a particular location or region.
- A comprehensive data download tool that makes historic Massachusetts air monitoring data easily accessible for research. (The data for 2003 -2006 is currently on line. 2007 -2009 data is expected to be loaded onto the system in early 2010)
- Helpful information on air pollutants and standards, health and environmental effects, and long-term air quality trends.

For MassAir online, see: <http://www.mass.gov/dep/air/>

Outdoor Wood-fired Boiler Regulations to Protect Residential Air Quality

The Executive Office of Energy and Environmental Affairs (EEA) and MassDEP unveiled new regulations in December

2008 that protect air quality in neighborhoods across the Commonwealth by limiting the amount of pollution emitted by outdoor wood-fired boilers, also known as outdoor hydronic heaters.

Starting on December 26, 2008, only heaters that meet the new standard for particulate emissions can be sold for installation in Massachusetts. As a result of this rule, Massachusetts has become one of only a few U.S. states to restrict hydronic heater pollution. There is currently no federal emissions standard for these devices.

Outdoor hydronic heaters are housed in small, insulated sheds with short smoke stacks - usually six to 10 feet tall. They burn wood to heat water that is piped underground to supply heat and hot water to buildings, greenhouses, and swimming pools. The heaters can produce heavy smoke and release it close to the ground, where it can linger and expose people in the area to health risks and nuisance conditions.

Only heater models that meet the strictest emissions standards, as listed by the U.S. Environmental Protection Agency, are allowed for sale and installation in Massachusetts. A listing of those units can be found through MassDEP's web site at: www.mass.gov/dep/air/laws/regulati.htm

GOAL 2: Clean and Safe Water

Statewide Stormwater Management Program

On November 17, 2008, MassDEP proposed a comprehensive statewide program to reduce stormwater runoff that pollutes rivers and streams, requiring all privately owned developments with large paved surface areas to address the causes of stormwater pollution.

The new Stormwater Management Program is intended to help clean up watersheds throughout Massachusetts by

requiring owners of large parcels to control stormwater before it runs off their property through Best Management Practices (BMPs). The stormwater program will have the added benefit of recharging groundwater aquifers as measures are taken to redirect runoff away from nearby surface waters and back into the ground.

The Charles River, which suffers severe impairment from stormwater pollution resulting in dramatic algae blooms, will receive particular attention, with MassDEP setting more stringent standards in the Charles River watershed that correspond with a new program launched by the U.S. Environmental Protection Agency (EPA) focusing on three communities in the Upper Charles. This proposed new program creates a level playing field by requiring that the responsibility for managing stormwater be shared by municipalities and private property owners.

MassDEP's stormwater regulation was drafted following a robust stakeholder process, which involved representatives from businesses, academia, municipalities and environmental groups. As of October 2009, MassDEP was considering modifications to the proposed program that will address stakeholder input. A copy of the draft stormwater regulation can be found at:

<http://www.mass.gov/dep/service/regulations/newregs.htm#storm>

Improvements to Ground Water Discharge Permitting & Wastewater Reclamation Rules

Groundwater discharge permits from MassDEP are issued primarily for domestic and commercial wastewater, such as carwashes and commercial laundries. The Department controls the discharge of pollutants to the groundwaters of the Commonwealth to assure that they are protected for their current and potential use as a source of potable water and to ensure that surface waters are protected, consistent with the Massachusetts Surface Water Quality Standards.

To streamline the existing ground water permitting process and reduce the time it takes an applicant to obtain a groundwater discharge permit, MassDEP revised its Ground Water Discharge Permit regulations in March of 2009. The changes that streamline the permitting process include elimination of the complex listing of specific effluent limits and the concurrent Ground Water Quality Standards by replacing both with a simple ironclad requirement that all discharges must meet the standards set forth in the Drinking Water Regulations. In addition to streamlining measures, the rules include more stringent effluent limits within drinking water source recharge areas, expand the no-discharge zone to protect water supplies, and allow the Department to create general permit categories for similar discharges.

The Department also created the Reclaimed Water Permit Program and Standards, promulgating new regulations at 314 CMR 20.00. The program is designed to promote the use of reclaimed water consistent with the protection of public health by classifying standards specific to allowed proposed uses. The highest standards are applicable to proposed uses with greatest potential for exposure to the public.

Changes to these regulations may be viewed at <http://www.mass.gov/dep/water/laws/regulati.htm#gwp>.

New Water Conservation and Low-Impact Development Grant Programs

MassDEP initiated a new water conservation fund, which awards funds to municipalities and public water systems to encourage and enhance local drinking water conservation efforts. In 2009, up to \$800,000 was available in grants to fund outreach and education efforts, water audits, leak detection surveys, rebates for water conservation devices and bylaw implementation specific to water conservation measures. All proposed projects that focus on drinking water conservation, loss identification, resolution, and prevention are considered.

In addition, MassDEP's 319 Nonpoint Source Grant Program encourages the use of "Low Impact Development" (LID) techniques and principles wherever possible. Low Impact Development techniques seek to mimic a site's pre-development hydrology by using design techniques that infiltrate, filter, store, evaporate, and detain runoff close to its source. These source reduction techniques, used in conjunction with conventional devices, can minimize the quantity of runoff and type of treatment required at the end of the pipe. More information about the Water Conservation Grant Program can be found at: <http://www.mass.gov/dep/water/wlpgprog.htm>

Expanded Financial Assistance for Drinking Water and Wastewater Infrastructure

As part of his Massachusetts Recovery Plan to secure the state's economic future, more than \$967 million in financing and subsidies was made available to fund 158 statewide infrastructure improvements targeting major drinking water and waste water projects in 2009. This is up \$417 million from 2008. These projects are essential for protecting public health and the environment.

Massachusetts awards infrastructure financing under the State Revolving Fund (SRF), which is administered by the Massachusetts Water Pollution Abatement Trust, a joint effort of MassDEP, the Massachusetts Executive Office of Administration and Finance and the State Treasurer's Office.

This year the Clean Water SRF provides financing for 85 selected projects, totaling more than \$724 million. This list identifies \$368 million in new projects and \$287 million in carry-over projects from prior SRF lists. Among the selected projects are a \$64 million upgrade to a waste water treatment plant in Westborough, and a \$55.5 million upgrade to a waste water treatment facility and sewage collection system in Chatham.

The Drinking Water SRF provides financing for 58 selected projects, totaling nearly \$243 million. This list identifies \$93 million in new projects and \$135 million in carry-over projects from prior SRF lists. Among the selected projects are a \$15 million water distribution system rehabilitation project in Quincy and an \$18.5 million water treatment plant construction project in Woburn. For a full listing of the 158 projects funded under the 2009 SRF program, go to: <http://www.mass.gov/dep/water/wastewater/wastewat.htm#cwsrf>

Completed Total Maximum Daily Load (TMDLs) Models for Impaired Water Bodies

Massachusetts continued implementing its workplan to develop TMDLs for each impaired water body in the Commonwealth. A Total Maximum Daily Load, or TMDL, is a calculation of the maximum amount of a pollutant that a waterbody can receive and still safely meet water quality standards. In FY 2009, MassDEP completed 117 TMDLs including 8 for Nutrients and Pathogens in the Chatham Southern Embayments, 3 for Nutrients and Pathogens for the Nantucket Harbor Embayment system, 51 for Pathogens in Buzzards Bay, 50 for Pathogens in Cape Cod Bay, and 5 for Pathogens in Three Bays.

More than 154 Draft TMDLs were also completed, including: 30 for Phosphorus in the Upper Charles River, 2 for Phosphorus in White Island Pond, 34 for Pathogens/Bacteria in Boston Harbor, 22 for Pathogens/Bacteria in the South Coastal Basin, 37 for Pathogens/Bacteria in the North Coastal Basin, 22 for Pathogens/Bacteria in the Merrimack River, and 7 Pathogen/Bacteria TMDLs for the Mt. Hope Bay / Narragansett Bay watershed.

More information on Massachusetts TMDLs can be found at: <http://www.mass.gov/dep/water/resources/tmdls.htm>

Oil Spill Response Equipment for Massachusetts Coastal Communities

In August and September 2009, MassDEP completed delivery of oil spill response equipment trailers to coastal communities in Massachusetts using resources from the Massachusetts Oil Spill Act Trust Fund. This was the final round of MassDEP's oil spill response trailers deliveries, and consisted of 28 trailers to North Shore, South Shore and Mount Hope Bay communities. This completes one aspect of MassDEP's efforts to improve local and state capability to respond to marine oil spills. The oil spill response trailers contain equipment that can be deployed quickly by local emergency response officials in case of an oil spill. Each trailer is 20 feet long by eight feet wide and is divided into three storage compartments containing: varying sizes and types of containment and absorbent boom; oil sorbent pads; speedy dry; inflatable bladders; portable generator; electric air compressor; anchors, anchor chains; buoys; tools (sledge hammer, spade); safety/personal safety equipment (lights, caution tape, first-aid kit, boots), ropes, ties, cables and a padlock.

The funding to purchase and distribute these trailers and the equipment is provided from the Oil Spill Act Trust Fund, which has as its source a 2-cent-per-barrel fee on petroleum products shipped through state waterways into local ports. The Trust Fund also provides training and educational programs to local first responders so that they will be prepared should an oil spill occur in their community, as well as access to current technological databases they need to prepare emergency response plans for their waterways. For more information on MassDEP's oil spill response trailer program, go to: <http://www.mass.gov/dep/cleanup/os/>

GOAL 3: Land Preservation and Restoration

Partnership with Supermarkets to Cut Down on Disposable Bag Use

MassDEP launched a joint initiative in March 2009 with the supermarket industry to cut the number of disposable paper and plastic grocery bags distributed in Massachusetts. MassDEP officials signed a memorandum of understanding with the Massachusetts Food Association (MFA), an industry group representing more than 500 grocery stores, to kick off the statewide waste-reduction effort. Each year, Massachusetts grocery stores distribute more than 1.5 billion paper and plastic bags. In many cases, these bags are used only once. A small percentage is recycled. But too often, bags become unsightly litter in communities and add to soaring waste disposal costs.

Under the agreement, MFA members will use a variety of methods to reduce the demand for disposable bags, such as offering reusable bags, providing customer incentives for reusing bags, improving customer access to in-store plastic bag recycling, and training staff to reduce wasteful distribution of bags. Through its agreement with the state, MFA will provide new technical assistance materials and services to expand existing recycling efforts and help additional supermarkets get started. Previous voluntary initiatives between MassDEP and the trade group have resulted in innovative and nationally recognized methods for helping supermarkets recycle cardboard and shrink wrap and compost the food wastes they generate. For more information on this initiative, please visit:

<http://www.mass.gov/dep/public/press/0309plas.htm>

Brownfields Redevelopment Support to Municipalities

With the support of Region I, MassDEP received a \$1 million EPA Brownfields assessment coalition grant this year. Coalition partners are the cities of Springfield and Grafton, which will each receive \$200,000 in assessment activities. Additional funding will be targeted to Holyoke and Salisbury, with other communities to be identified later. MassDEP will continue implementing the Brownfield Support Teams, which is a multi-agency program providing municipalities (and potential developers) with coordinated advice, funding and technical assistance to facilitate Brownfields redevelopment. EPA attends monthly Massachusetts Brownfields Partnership meetings with MassDEP and other state and federal agencies to help identify brownfield redevelopment opportunities throughout the state. MassDEP works with EPA on an ongoing basis to help promote MA/Region I brownfield successes to the MA congressional delegation and others on environmental, economic and Environmental Justice benefits of the program.

Solid Waste Master Plan

Starting in December 2008, MassDEP launched a significant effort to update the Massachusetts Solid Waste Master Plan. Key aspects of the Master Plan needing attention were: Preventing Waste from Being Generated, Increasing Supply of Recyclables, Building Recycling Markets, and Getting the Most from Residuals. Over the course of 2009, MassDEP worked closely with stakeholders, via public meetings and workgroup sessions, on discussions including Education, Market development/state purchasing, Municipal capacity building/regionalization, Performance and viability of technologies for residual waste, Reducing waste generation, Siting waste diversion facilities, and Waste bans/business recycling.

The Solid Waste Master Plan is expected to be released in the first quarter of 2010.

For information on the solid waste master plan, please visit:

<http://www.mass.gov/dep/recycle/priorities/dswmpu01.htm#swmp>

Waste Energy Credit Regulations

In June 2009, MassDEP promulgated the Waste Energy Credit (WEC) regulations, to implement a provision in recently enacted legislation Green Communities Act, which allows waste-to-energy facilities to sell renewable energy credits for the electricity they produce. Fifty percent of the revenue must be used to support recycling programs approved by MassDEP. MassDEP has received applications from the six waste-to-energy facilities in the state.

The Waste Energy Credit rules can be found at:

<http://www.mass.gov/dep/recycle/laws/regulati.htm#wec>

MassDEP receives top honors from EPA for WasteWise program

In December 2008, MassDEP was awarded top honors by the U.S. EPA as "2008 WasteWise Endorser of the Year" for promoting the innovative WasteWise program. WasteWise is a free, voluntary partnership program founded by EPA to assist businesses and organizations in implementing waste reduction and recycling programs. The program currently has over 2,000 members nationally.

The Massachusetts WasteWise program hosts two annual networking forums targeted to specific topics relating to sustainable business practices, including food waste composting, energy efficiency, recycling and green building. Massachusetts members are also eligible to receive one-on-one technical assistance and annual recognition from MassDEP for their environmentally sustainable efforts.

For more information on the Massachusetts WasteWise program, please visit:

www.mass.gov/dep/recycle/reduce/wastewise.htm

GOAL 4: Healthy Communities and Ecosystems

Emerging Contaminants

MassDEP continues to play a leadership role in-state and nationally on emerging contaminants. Within the agency, MassDEP is prioritizing and actively assessing the potential impacts from emerging contaminants and developing management strategies for priority contaminants, including: pharmaceuticals and personal care products; engineered nanoparticles; brominated flame retardants; and toxics of emerging concern (e.g. MTBE, TCE, Tungsten). Priority activities include supporting and steering efforts to assess the presence and environmental impacts from these substances in the environment, and management approaches such as evaluating point of discharge removal technologies.

MassDEP continues to sponsor cutting-edge research on efficacy of treatment technologies for removing pharmaceuticals and personal care products from wastewater (including treatment plants and septic systems), and drinking water. MassDEP also facilitated a public forum in September 2009 entitled: Pharmaceuticals, Personal Care Products and Endocrine-Disrupting Compounds in Wastewater: Issues and Solutions. For additional information, go to:

<http://www.mass.gov/dep/toxics/ppc.htm>

Engineered Nano-Particles: In FY09, MassDEP devoted considerable attention to nanotechnology and to the potential impacts from engineered nanoparticles on public health and the environment. In January 2009, MassDEP held a well-attended workshop on "Promoting the Safe Development of Nanotechnology in Massachusetts." The focus of the workshop was on identifying and discussing best management practices to protect workers, the environment and public health. In June 2009, MassDEP also co-sponsored (with EPA and UMass-Amherst) an international nanotechnology conference on the

"Implications and Applications of Nanotechnology." MassDEP is following up on nanotechnology research in areas such as using nanoparticles to cleanup groundwater contaminants at hazardous waste sites, developing guidance on nanomaterial disposal, and filling gaps in best management practices. MassDEP also joined environmental agencies from a number of states in reaching out to our partners in the federal government, through the White House Office of Science and Technology, to expand opportunities for state environmental agency involvement. For more information on the safe development of nanotechnology, turn to:
<http://www.mass.gov/dep/toxics/sourcest.htm>.

Mercury Management Act Implementation

The Massachusetts Mercury Management Act of 2006 is designed to keep mercury out of our trash and wastewater, where it is released into the environment. The law requires manufacturers of products containing mercury to collect "end of life" products and to recycle the mercury, and bans the sale of certain products containing mercury. The law also establishes specific requirements for mercury switches in vehicles, and for lamps that contain mercury.

In 2009, MassDEP promulgated regulations that ban the sale of certain mercury-added products, provide a process for obtaining exemptions to the sales ban, establish product labeling requirements and ban the disposal of mercury-added products in solid waste. MassDEP staff disseminated information on the new requirements through various commercial networks and trade associations and held workshops on the disposal ban for solid waste collection and management staff.

Two provisions of the Mercury Management Act that establish statutorily mandated recovery rates have required determinations by MassDEP; the collection of vehicle mercury switches and the collection of mercury-added lamps. In 2009, MassDEP determined that the statutorily mandated recovery

rate was not reached for vehicle mercury switches, which triggered a requirement for auto makers to pay vehicle recyclers \$3 for every mercury switch returned through a national switch recovery program. The recovery rate of vehicle mercury switches increased dramatically over 2009 as a result of the incentive payment going into effect. MassDEP worked with the trade association representing lighting manufacturers to develop a methodology to calculate the recycling rate for mercury-added lamps. The recycling rate that MassDEP calculated using 2008 data met the statutory requirement for 2008, so no action was required by the lamp manufacturers. The recycling rate requirement climbs steeply for every calendar year. Failure to meet the rate triggers a requirement for the lamp manufacturers to pay up to \$1 million into a fund to assist local mercury collection programs.

For more information, please visit the mercury home page at:
<http://www.mass.gov/dep/toxics/stypes/hgres.htm>

Underground Storage Tank (UST) Program

On July 1, 2009, the Massachusetts legislature assigned responsibility for the Underground Storage Tank (UST) program to MassDEP from the Massachusetts Department of Fire Safety. The UST program protects the environment from leaking underground chemical and petroleum product storage tanks and the public from hazards posed by leakage of flammable and combustible liquids. Over the next three years, MassDEP will be assessing the extent to which tanks are in compliance with the registration, design, testing, and reporting requirements, and identifying and promulgating any programmatic changes needed to improve compliance rates and streamline program implementation. For more information on the Underground Storage Tank Program, please visit:
<http://www.mass.gov/dep/toxics/ust/>

Well Driller's Registration Program

In FY09, the Massachusetts legislature assigned responsibility for the Well Driller Program to MassDEP. This program is transferred to MassDEP from the Massachusetts Department of Conservation and Recreation effective October 1, 2009. The purpose of the program is to protect the Commonwealth's groundwater resources from impairment by ensuring that productive and non-productive wells are drilled, constructed, altered, or decommissioned properly. The program establishes the responsibilities and qualifications of well drillers and requires notification upon the completion of wells. The program also provides assistance to local boards of health to ensure that well drillers operate in conformance with local requirements. For more information on the Well Driller Program, please visit:

<http://www.mass.gov/dep/water/drinking/welldril.htm>

GOAL 5: Compliance and Environmental Stewardship

New Agency-wide Planning Approach to Compliance Assurance

In FY09, MassDEP initiated a more robust agency-wide planning process to ensure we are proactive and strategically planning our compliance resources to achieve our goals.

Through this process, MassDEP looked at all planned compliance assessment activities, as well as the goal or aim of the activity. Compliance activities are used for:

- Regular, routine inspections of our largest facilities, to ensure they remain in compliance, and to meet our federal commitments;
- Inspections to follow-up on significant compliance concerns we become aware of at other facilities;

- Enforcement blitzes, designed to identify violators and improve performance of a sector with a known or suspected compliance problem;
- Assessment of the environmental performance of a group or source to determine if there are compliance problems endemic to that group, which may need to be addressed systematically.

In addition to more strategically planning how we use our assessment resources by more clearly defining our goals in advance, we will be better able to evaluate the real environmental success of these efforts.

Compliance and Enforcement Activities

Inspections: In FY09, MassDEP performed 7,474 inspections, a level of inspections well above the five-year average (7,056). This demonstrates that despite the resource constraints that began to impact MassDEP in FY09, the agency continued to maintain a robust field compliance presence.

Enforcement Actions: Last year, MassDEP's enforcement efforts continued to yield important environmental benefits, such as reduced ozone pollution, fewer asbestos particles released to the air, proper cleanup of contaminated soils, and protected water for Massachusetts citizens. In FY09, MassDEP issued more than 3,500 enforcement actions, ranging from "Notices of Noncompliance" to "Administrative Consent Orders" to Attorney General settlements. This number was largely consistent with the agency's five-year average (3,676). There was a slight dip in the number of lower-level enforcement actions from the previous year, and a more significant increase in the "higher level" actions (administrative orders and penalty assessments), representing the more serious cases (862 to 975). The total penalty dollars assessed, including all the penalties assessed by MassDEP and those from cases on which we collaborated with the Attorney

General, totaled \$6.9 million. This was a significant increase over the previous year (FY08 – \$5.4 million).

Compliance and Enforcement (C&E) Information Technology (IT) Enterprise Project

MassDEP has moved forward this year in developing and implementing the Compliance and Enforcement (C&E) Information Technology (IT) Enterprise Project. This effort is intended to use computer technology to improve the efficiency and effectiveness of MassDEP's compliance and enforcement activities across all programs. Advances in FY09 included completion of new IT tools that aid the development and consistency of penalty cases.

Enforcement Training for MassDEP Personnel

This past year, MassDEP staff participated in two National Enforcement Training Institute (NETI) sponsored trainings involving calculating "Economic Benefit" and assessing "Inability to Pay" claims.

Emergency Preparedness

MassDEP implemented a number of strategies to enhance our environmental/emergency preparedness and to support local emergency responders, including:

- Enhancing coordination within the Commonwealth's Incident Command Structure.
- Continuing to develop MassDEP's Emergency Operations Center to integrate and exchange information with other agencies that respond to significant incidents.
- Continuing to develop, refine, and optimize operations of MassDEP's newly created Field Assessment and Support Team (FAST), including its primary asset, a 27-foot long mobile laboratory vehicle.

These efforts improve the agency's ability to generate and evaluate data in the field and to support and enhance

emergency response operations. So far this year, the FAST (Field Assessment & Support Team) has responded to four emergency situations, and has been utilized for 12 non-emergency projects that involve the testing of air and soils.

In addition to these activities, EPA and MassDEP staff worked closely together on water-related exercises to test implementation of the Water and Wastewater Response Network (WARN). Also, Zenith City, a drinking water emergency planning exercise, was used at workshops in many communities throughout Massachusetts. EPA and MassDEP have also coordinated well on Homeland Security Exercises. MassDEP personnel have attended and participated in EPA-lead Level A drills. MassDEP was a major contributor/planner for the Homeland Security Laboratory Network and the table top exercise (TTX) held on September 23, 2009 in Portland Maine. The TTX, which involved all New England states, was an exercise beginning after a terrorist attack involving a chemical weapon of mass destruction (a blister agent). These exercises are important because most training focuses on the "response" phase of a disaster and very little on the "recovery" phase (e.g. cleanup of releases, monitoring the environment, determining if it is safe for people to re-enter their neighborhoods and homes, etc.) which is much of an environmental agency's work.

Cross-Cutting Issues

MassDEP Receives Leading by Example Award

The Commonwealth's Leading-by-Example (LBE) initiative was established by an April 2007 Executive Order, in which Governor Patrick directed state agencies to improve energy efficiency, promote clean energy technology, and reduce their environmental impacts. The Executive Order calls on state government to reduce its greenhouse gas emissions by 25 percent (from a 2002 baseline), reduce energy consumption at

state-owned and leased facilities 20 percent, and procure 15 percent of energy from renewable sources by 2012.

In 2009, MassDEP was recognized in the state agency category for installing efficient lighting and occupancy sensors in its Boston office; installing computer power management software that powers down computers during inactive periods and at night; recycling 111.5 tons of paper and cardboard and three tons of cans and bottles in FY 2008; reducing the agency's vehicle fleet, which is currently comprised of 20 percent hybrid or alternative fuel vehicles; and major renovation of MassDEP's William X. Wall Experiment Station in Lawrence, which is on track to earn Leadership in Energy and Environmental Design (LEED) Gold certification.

MassDEP Pursues Green Leases for its Office Space

In a step to expand the Patrick Administration's statewide sustainability goals, MassDEP officials announced in April 2009 green guidelines to encourage environmentally friendly office space lease agreements for two of the department's leased office buildings.

The new green lease guidelines require landlords submitting proposals for these offices to equip the premises with energy management systems, meet water conservation standards for all new plumbing fixtures, and provide bicycle commuting facilities at their building, among other green measures. The guidelines were drafted in conjunction with the state Division of Capital Asset Management (DCAM), which is responsible for major public construction and real estate services for the Commonwealth. To obtain a copy of the Green Lease RFP, go to: www.comm-pass.com, click on the Solicitation tab and follow the link to Space Leasing.

Major Growth in On-Line Transactions

MassDEP achieved another agency record for annual on-line eDEP transactions with more than 313,000 new permit applications, certifications, registrations and other submittals received in FY 2009. This was more than 3 times the number

received on-line in FY2008. The bulk of this increase resulted from the newly created tool for electronic submittal of drinking water quality sampling reports from public water suppliers, and also the January 2009 requirement that 100% of hazardous waste site cleanup submittals come in electronically.

Permitting Decisions at the Speed of Business

MassDEP continues to deliver on Governor Deval Patrick's regulation at the speed of business initiative and keep the commitment made in 2007 to reduce the overall time allowed for rendering permit decisions by 20% and issue the majority of its permit decisions within 180 days. In FY09, this commitment returned decisions within the shortened deadlines more than 99% of the time on 2,870 permit applications.

Streamlining Air Quality Permitting

In July 2009, MassDEP adopted regulations streamlining the agency review process for new and expanded air pollution sources. The air permitting process was streamlined in the following ways:

- Raise the threshold (from 5 to 10 tons annually) at which a "Non-Major Comprehensive Plan Application" would be required.
- Issue guidance that clearly describes the regulatory "pathways" for defining the emission limitations that would be considered to be "Best Available Control Technology" (BACT).
- Clarify the control technology requirements for abating a condition of air pollution.
- Define a new process for consolidating previously issued plan approvals into a single approval.
- Add a new performance standard in lieu of a plan approval for Rock Crushing and Processing Operations.

For additional information, please visit our website at:
<http://www.mass.gov/dep/public/publications/0408perm.htm>

Origin (e.g. PPA, MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
heading	BWP	GOAL 1: CLEAN AIR & GLOBAL CLIMATE CHANGE	
heading	BWP	Objective 1.1 Healthier Outdoor Air	
heading	BWP	Sub-Objective 1.1.1 By 2015, Working with Partners, Improve Air Quality for Ozone and PM2.5 (Particulate Matter 2.5)	
heading	BWP	Ground Level Ozone, Fine PM and Lead	
MassDEP	BWP	Make air quality related data available to the public	Ongoing: real time and historic air quality monitoring data and reports available on MassDEP website
MassDEP	BWP	Scope, design, build, test, roll out air quality Air Quality System (AQS) Central Data Exchange (CDX) air monitoring data online project	Link between MassDEP air quality data and EPA air quality data system developed and tested in FFY09. Flow to AQS has been established.
MassDEP	BWP	Work through Air Online to provide real-time ambient air quality data from MA Network on MassDEP Website.	Ongoing
PPA	BWP	Participate in EPA's AIRNOW program. This includes: 1) Submitting ozone and PM2.5 real-time data and forecasts to the Data Management Center; 2) Issuing EnviroFlash alerts; 3) participating in Region I's outreach and forecasting workshop; and 4) as state travel restrictions allow, attending the annual National Air Quality Conference	Ongoing
MassDEP	BWP	Revise state ambient Ozone and PM 2.5 standards to reflect new national standards	Revised state standards equivalent to the National Ambient Air Quality Standards (NAAQS) were issued for public review in June 2009. In light of extensive public comment advocating for stricter MA standards, revisions are still under
MassDEP	BWP	Develop PM2.5 modeling policy for permitting	Draft policy developed Fall 2009; Comments due January 2010.
PPA	BWP	Submit any necessary updates to the ozone attainment plans submitted in 2008 for the 0.08 ppm ozone standard.	The only needed updates are the submission of rules relied on in the State Implementation Plan (SIP). These are discussed in the paragraphs below related to Control Techniques Guidelines (CTGs) and other 8-hour SIP rule
PPA	BWP	Begin development of 2008 periodic NAAQS emission inventory, which may become the base year inventory for new 0.075 ppm ozone standard.	Initial data collection is complete. Enforcement and other compliance assistance underway for non-filers. Quality assurance of data underway.
PPA	BWP	Ensure that the state's air emissions database is compatible with EPA's re-designed National Emissions Inventory (NEI) database system	Ongoing
MassDEP	BWP	Develop the procedures and changes to the Central Data Exchange (CDX) node for submitting air emissions inventory data to EPA	Contractor for project selected Fall of 2009, work beginning in winter 2009 -2010
PPA	BWP	Submit by January 1, 2009 a workplan and schedule for developing any rules necessary pursuant to the following new Control Techniques Guidelines (CTGs) issued by EPA: (1) Industrial Cleaning Solvents, (2) Flat Wood Paneling Coatings, (3) Offset Lithographic Printing & Letterpress Printing, and (4) Flexible Package Printing. SIP due date is October	Due to resource constraints, deferred to 2010.
MassDEP	BWP	Propose Draft Adhesives rule fall of 2008	Regulation in management review. Propose draft in Winter 2010.
PPA	BWP	Submit by January 1, 2009 a workplan and schedule for developing any rules necessary pursuant to the following new Control Techniques Guidelines (CTGs) issued by EPA: (1) Paper, Film, and Foil Coatings; (2) Metal Furniture Coatings; and, (3) Large Appliance Coatings. SIP due date is October 2008.	Due to resource constraints, deferred to 2010.
MassDEP	BWP	Indicate in Ozone Attainment SIP intention to rely on the National Portable Fuel Container rule. (In lieu of Ozone Transport Commission (OTC) model rule)	This was completed in final January 2008 Ozone SIP.
MassDEP	BWP	Work with the Executive Office of Energy and Environmental Affairs (EEA) and Fire Service and other agencies on revisions to prescribed and agricultural open burning regulations	Ongoing

Origin (e.g. PPA, MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
MassDEP	BWP	Revise the air emission source registration reporting threshold to eliminate small combustion sources -- relationship to new CO2 reporting	Due to resource constraints, deferred to 2010.
PPA	BWP	Submit rules relied on in 8-hour attainment demonstration, including rules limiting emissions from asphalt paving, adhesives & sealants, Architectural Industrial and Maintenance Coatings (AIM) & Consumer Products, Solvent metal degreasing, Stage II Vent caps, revisions to the automobile inspection and maintenance (I&M) rule, and the NOx provisions of 310 CMR 7.29.	SIP amendments to incorporate AIM, consumer product, solvent degreasing. Stage II vent caps, and 7.29 rules will be submitted in first ¼ of CY 2010. I&M revision was submitted to EPA on 6/3/2009. Asphalt paving and adhesives & sealants rules have not been adopted yet.
PPA	BWP	Explore options for addressing Electric Generating Unit (EGU) emissions during high electricity demand days (HEDD). Keep apprised of efforts made by other New England states on this issue, and explore the feasibility of adopting a HEDD regulation.	Ongoing
PPA	BWP	Submit revised I/M SIP to EPA, for On Board Diagnostics 2 (OBD2) .	Submitted to EPA on 6/1/09 . EPA issued an administrative completeness review letter on 12/14/09. Have not heard a response on when they will issue proposed rulemaking.
PPA	BWP	Complete and submit annual I/M reports to EPA. (OTAQ 06)	Done
PPA	BWP	Prepare State designation recommendations for the 2008 Lead NAAQS. Recommendations are due one year after EPA sets final standards. These standards must be issued by	Governor Patrick's letter recommending MA designations was submitted to EPA on 10/14/09.
PPA	BWP	Submit State designation recommendations for the new 2008 Ozone NAAQS. Recommendations due by March 12, 2009.	Governor Patrick's letter recommending MA designations was submitted to EPA on March 11, 2009.
PPA	BWP	Process conformity determinations for ozone nonattainment areas and CO maintenance areas. (OTAQ 03a)	Conformity letter issued 10/26/09.
PPA	BWP	Participate in Northeast Diesel Collaborative to advance state and regional programs to reduce diesel emissions. Implement EPA/Northeast Diesel Collaborative (NEDC) grant funding projects (school buses and construction equipment).	Participated on bi-weekly calls and 11/12/09 Steering Committee annual meeting, and implemented grant projects.
MassDEP	BWP	Hold public meeting and prepare annual report on the status of the Big Dig Mitigation transit commitments	Public meeting held on 9/6/09. (MassDOT submitted report on 7/1/09.)
PPA	BWP	Promote the 2009 EPA/Northeast Diesel Collaborative (NEDC) Request for Proposals (RFP) to local communities and other partners to encourage the submission of proposals from MA	This is Done through participation on Northeast Diesel Collaborative.
PPA	BWP	Submit a revised CO maintenance plan accounting for proposed closure of Lowell CO monitor	A revised maintenance plan was issued for public review in December 2007. Due to adverse public comment, the revision has not been finalized. It is expected to be submitted in the first ¼ of CY 2010.
PPA	BWP	Submit a CO limited maintenance plan for the Boston Area's second ten-year maintenance period.	A draft limited maintenance plan has been prepared but has not been circulated for internal review due to more pressing priorities.
MassDEP	BWP	Interstate transport of air pollutants: Collaborate with other Northeast/ Midwest/ Southeast States to further control transported emissions.	Ongoing
MassDEP	BWP	Participate in National Association of Clean Air Agencies	Ongoing
MassDEP	BWP	Participate in the regional organizations Northeast States for Coordinated Air Use Management (NESCAUM); Northeast States Coordinating for a Clean Air Future (NESCCAF) and the Ozone Transport Commission (OTC)	Ongoing
heading	BWP	Regional Haze	
PPA	BWP	Participate in the northeast regional haze planning organization Mid-Atlantic and Northeast States Visibility Union (MANE VU).	Ongoing
MassDEP	BWP	Work on the amendments to the Clean Air Interstate Rule (CAIR) rule and NOx Budget Program in light of the recent court decision	This was not needed since the Court subsequently remanded CAIR back to EPA (i.e., CAIR is in effect until EPA promulgates a replacement rule).

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BWP	Submit regional haze SIP, with Best Available Retrofit Technology (BART) provisions, to EPA. SIP was due December 17, 2007.	MassDEP submitted a draft version of the Regional Haze SIP to EPA for review in November 2008. On July 31, 2009 it submitted a draft BART chapter to EPA and Federal Land Managers (FLMs). In response to FLMs comments, MassDEP has undertaken additional BART analysis.
MassDEP	BWP	Develop sulfur limits for home heating oils to meet regional haze standards	Work initiated. Expect to propose draft in Spring 2010.
MassDEP	BWP	Develop sulfur limits for #4 and # 6 heating oils to meet regional haze standards	Work initiated. Expect to propose draft in Spring 2010.
heading	BWP	Title V / New Source Review (NSR) Permits	
PPA	BWP	Cooperate with EPA in a second Title V permit program evaluation. Respond and implement EPA's recommendations within 90 days, as warranted. (OAQPS P06)	Program evaluation was conducted on August 12, 2009. In their program review summary letter, EPA strongly urged MassDEP to post operating permits on-line. We are in the process of implementing this suggestion.
PPA	BWP	Complete issuance of initial Title V permits for Dominion Energy, MIT, Eastman Gelatin, Haverhill Paperboard, Mirant Canal LLC, Duro Finishing, Hollingsworth and Vose, Polaroid - New Bedford and Mead Specialty Paper Div Willow.	Haverhill is on hold pending other action by the Department, Salem was proposed 9.03.2009; all others are issued.
PPA	BWP	Insure that 100 percent of significant Title V operating permit revisions are issued within 18 months of receiving a complete permit application or settlement of an enforcement case. Provide necessary data to document the goal every six months. (OAQPS P08, OAQPS P11	This data is compiled and submitted to EPA semi-annually (Jan 31 and July 31 for the previous 6 months) on the TOPS Tracking form.
PPA	BWP	Insure that 94 percent of new Title V operating permits are issued within 18 months of receiving a complete permit application or settlement of an enforcement case. Provide necessary data to document the goal every six months. (OAQPS P08, OAQPS P11 and	This data is compiled and submitted to EPA semi-annually (Jan31 and July 31 for the previous 6 months) on the TOPS Tracking form.
PPA	BWP	Insure that 75 per cent of Title V operating permit renewals are issued within 18 months of receiving a complete permit application. Issue 100% of Title V operating permit renewals within 18 months of settlement of an enforcement case. Provide necessary data to document the goal every six months. (OAQPS P08, OAQPS P11 and OAQPS P13)	This data is compiled and submitted to EPA semi-annually (Jan31 and July 31 for the previous 6 months) on the TOPS Tracking form.
heading	BWP	Sub-Objective 1.1.2 By 2011 Reduce the Risk to Public Health and the Environment from Toxic Air Pollutants by Working With Partners to Reduce Air Toxics Emissions and Implement Area-Specific Approaches	
PPA	BWP	Respond to EPA's comments on state's new source review (NSR) equivalency demonstration, if necessary.	Ongoing
PPA	BWP	Insure that 78 percent of major NSR permits are issued within 12 months of receiving a complete permit application or settlement of an enforcement case. Provide necessary data to document the goal every six months. (OAQPS P001)	One major NSR permit issued in FFY 2009 (Dominion Brayton Pt Cooling Towers). Issued within 12 months of application
PPA	BWP	Insure that data are submitted to EPA's RACT, BACT, LAER Clearinghouse for new major sources and major modifications within 30 days of permit issuance. Provide the data documenting the timeliness of the submissions in the end of year report. (OAQPS P17)	MassDEP does not implement PSD so makes no BACT determinations for new major sources or major modifications. One Appendix A (nonattainment NSR) approval in FFY2009 (Russell Biomass) however, the project is on hold pending resolution of appeals. Therefore BWP had nothing to submit to the clearing house.

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BWP	"Until such time that MassDEP has its own federally-approved Prevention of Significant Deterioration (PSD) program or resumes partial delegation of the federal program, MassDEP and EPA-Region I will collaborate closely in EPA's issuance of PSD permits for MA facilities. MassDEP will take the lead in drafting the permit and fact sheet for new permit applications, unless EPA agrees that other permit data is sufficient or a draft fact sheet is not needed. EPA will attend joint meetings with MA DEP and applicants or potential applicants to discuss the most efficient and timely way to process specific permit applications. EPA will withhold \$25,000 in FY09 105 funding as part of the PSD agreement to provide resources to process PSD permit applications. Any funds not used by EPA will be given back to MassDEP."	MassDEP and Region I continue to collaborate on PSD permits including, Dominion Energy Brayton Point, Bellingham, UMass Amherst, Brockton Power, Pioneer Valley Energy Center).
PPA	BWP	Develop a Draft Rule to meet the SIP-approved requirements for a Prevention of Significant Deterioration (PSD) program by March 31, 2009. Submit a final rule to meet the SIP-approved requirements for a Prevention of Significant Deterioration program by September	Several meetings with EPA in fiscal 2009 to preview and discuss approaches. Draft Rule under development.
MassDEP	BWP	Issue permits that limit emissions of air pollutants at major and minor sources of air pollution	MassDEP continues to take delegation of and implement requirements only as and when applicable to Operating Permit facilities.
MassDEP	BWP	Continue development of Air Permit Streamlining initiatives identified in Fall 2007	Air Permitting Streamlining Regulations promulgated in 2009
MassDEP	BWP	Monitor post vacatur Clean Air Interstate Rule (CAIR) developments	Ongoing
heading	BWP	Air Toxics	
PPA	BWP	Work collaboratively to help the Region implement its strategy for the National Emission Standard for Hazardous Air Pollutants (NESHAP) for the Paint Stripping and Miscellaneous Surface Coating and Auto Body Refinishing NESHAP. Submit a list of activities that the state will assist with by December 31, 2008. Examples of activities may include: implementation of the common measures project; consider including this sector in the environmental results program; send staff to train the trainer workshops; help to plan or conduct training events in Massachusetts; send state staff to speak at training events in Massachusetts; send outreach letters to sources; review mailing lists for EPA to send outreach to sources; work to promote pollution prevention and non-HAP coatings; and participate in an EPA/state workgroup.	MassDEP has provided requested input on the EPA Region 1/OECA auto body assessment Project. MassDEP submitted the final project report for the States Common Measures project to EPA and participated in a briefing for Cynthia Giles, the OECAA, and other EPA senior staff. MassDEP staff attended and participated in EPA auto body workshops.
PPA	BWP	Continue delegation and implementation of toxic requirements under section 112, 129, and 111(d), as appropriate, for major sources rules, area source rules, and residual risk rules.	MassDEP continues delegation and implementation requirements when applicable to Operating Permit facilities.
PPA	BWP	Determine the appropriate action to meet EPA's May 10, 2006 final rule for Large Municipal Waste Combustors and EPA's December 16, 2005 rule for Other Solid Waste Incinerators. Send EPA a letter with proposed plan of action.	Draft amendments to 310 CMR 7.08(2) Incinerators and 310 CMR 7.19 (9) NOx RACT under development.

Origin (e.g. PPA, MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BWP	Explore strategies to reduce human health risks indicated by state and national air toxics assessment analyses. Participate in NESCAUM Public Health Subcommittee.--Review the draft 2002 National Scale Air Toxics Assessment once it is released for state and regional preview. By March 31, 2009, provide a status report of work on air toxics reduction efforts.	MassDEP continues to participate in NESCAUM Air Quality Public Health Committee calls and meetings. The 2002 NATA was reviewed and results for MA were analyzed for internal review. A status report on air toxics reductions as of 3/31/09 was submitted to EPA on 5/19/09; the actions described in that memo are Ongoing
PPA	BPP	Work to implement mercury management strategies under the New England Governors - Eastern Canadian Premiers (NEG-ECP) and state mercury action plans.	MA has continued to actively implement the NEG-ECP Mercury Action Plan (MAP). Over 2009 MA: Co-chaired the MAP Regional Task Force and participated in a co-chairs planning meeting and numerous conference calls. Worked with the NE states and Provinces to complete the 2007-2009 MAP status report and 2009 -2011 MAP workplan. In FY09, DEP continued to implement the Mass. Mercury Management Act of 2006 by promulgating regulations banning the sale and solid waste disposal of certain mercury-added products and establishing product labeling
MassDEP	BWP	Implement the Clean Air Mercury Rule (CAMR) continuous emissions monitoring rule	Federal CAMR was vacated by the Court. MassDEP currently is implementing existing 310 CMR 7.29 mercury continuous emissions monitoring requirements and has proposed its own detailed monitoring rule modeled after the vacated CAMR monitoring requirements (see below)
PPA	BWP	Support EPA's efforts to produce an accurate National Emission Inventory (NEI) for Hazardous Air Pollutants (HAPs). This includes: (1) reviewing the 2005 NEI for HAPs once it is released; (2) reviewing Massachusetts point source data released for comment under EPA's Risk and Technology Review rulemakings; and (3) collecting HAP data from sources for the 2008 NEI for HAPs. (OAQPS T07)	Toxics emissions data are collected annually from major HAP sources under the Source Registration program. MassDEP also collects toxics data under its Toxics Use Reduction program. MassDEP reviewed emissions data related to sources of lead in connection with EPA's lead NAAQS. Point source data under Risk and Technology Review rules was reviewed but revisions could not be
MassDEP	BWP	Promulgate Outdoor Hydronic Heaters (Wood-fired Boiler) Regulations	Promulgated, effective 12/26/08
MassDEP	BWP	Develop and adopt Mercury Continuous Emissions Monitor regulation	Draft developed in FFY09, public hearing held in November 2009. Expect to finalize regulation in Winter 2010.
MassDEP	BWP	Update and revise the asbestos control program for renovation and demolition projects to ensure it focuses on the highest priority asbestos situations;	Draft regulations under review in the Commissioners Office
heading	BWP	<i>Diesel Strategy</i>	
MassDEP	BWP	Develop a Diesel emission control strategy	Draft developed and submitted to the Commissioner for review. Review is pending.
MassDEP	BWP	Revise vehicle emission controls inspection and maintenance (I&M) heavy duty diesel pass/fail standards ("cut points") regulations	Revised cutpoints adopted in IM reg revision effective 9/5/08.
MassDEP	BWP	Manage the idling reduction grant program	Grant program not funded for FFY 2009.
MassDEP	BWP	Provide a grant to fund diesel emission controls on Providence and Worcester railroad locomotives and auxiliary power units, using American Electric Power Settlement money	\$100,000 Grant provided to P&WW RR for FFY 2009 – in procurement process
MassDEP	BWP	Provide grants to municipalities to retrofit waste hauler trucks with diesel controls and purchase hybrid trucks using Federal Diesel Emission Reduction Act funds, and American Electric Power Settlement funds	Grant program application process developed and implemented in FFY09. \$302,000 in grants to municipalities and private waste haulers announced on
MassDEP	BWP	Oversee the retrofitting of all school busses with diesel controls over a three year period	Work Ongoing.

Origin (e.g. PPA, MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
MassDEP	BWP	Verify installation of diesel controls at school buses through inspections	Inspections have not commenced. Will occur in FFY10 now that the program is up and running.
heading	BWP	Objective 1.2 Healthier Indoor Air	
PPA	BWP	Coordinate as needed with EPA and Department of Health on implementing indoor air quality programs such as Tools for Schools, Environmental Tobacco Smoke and Radon.	Ongoing, as resources allow.
heading	BWP	Sub-Objective 1.4.2 Maintain Emergency Response Readiness	
MassDEP	BWP	EPA will continue to work with the New England states on Homeland Security and emergency response readiness issues through routine, day-to-day coordination and the existing Regional Response	Ongoing
heading	BWP	Objective 1.5 Reduce Greenhouse Gas Emissions	
MassDEP	BWP	Advise Mass Division of Operational Services (DOS) on Commonwealth owned car fuel efficiency standard	Participate in meetings on an ad hoc basis.
MassDEP	BWP	Assist Executive Office of Energy and Environmental Affairs (EEA) on Regional Greenhouse Gas Initiative (RGGI) Action trust creation and administration	Ongoing
MassDEP	BWP	Promulgate technical changes to Regional Greenhouse Gas Initiative (RGGI) Auction Regulations	Revisions to general RGGI regs (not auction which are DOER regs) put on hold due to resource constraints
MassDEP	BWP	Participate in Department of Public Utilities (DPU's) Energy Efficiency Advisory Council (trading off various environmental and energy goals)	Provide assistance as needed; working towards consistent conversion of MWh saved to tons of CO2e reduced
MassDEP	BWP	Develop and implement standards for Municipal Waste Combustor 50% Renewable Energy Credits (REC) pass through to MassDEP approved recycling programs	Regulations promulgated June 2009, applications received and evaluated
MassDEP	BWP	Advise Dept. of Energy Resources (DOER) on emission performance standards (sequestration, fuel conversion net CO2 emissions rate)	Assisted with Alternative Energy Portfolio standards as requested by DOER
MassDEP	BWP	Participate on Construction and Demolition (C&D) waste burning commission	Ongoing
MassDEP	BWP	New Environmental Protection Integrated Computer System (EPICS) architecture response: business requirements scoping; evaluation of initial data translation associated with penalty calculation application (Pencalc) and citation maintenance; testing /using data conversion/evaluation tool, plan for next steps	Ongoing
MassDEP	BWP	Advise Dept. of Energy Resources (DOER) on financial incentives for Beneficial Use Determinations (BUD) paper fuel units	Ongoing
MassDEP	BWP	Advise the Commissioner of Dept. of Energy Resources on development of a statewide master plan for the advancement of hybrid and alternative fuel vehicles	Participate in meetings on an ad hoc basis.
MassDEP	BWP	Support Executive Office of Energy and Environmental Affairs (EEA) work on Energy Policy Act-waiver for hybrids	Participate in meetings on an ad hoc basis.
MassDEP	BWP	Work with the Executive Office of Energy and Environmental Affairs and the Department of Energy Resources to implement the Global Warming Solutions Act including establishing and implementing emissions limits, developing market based compliance strategies	Ongoing work w/ advisory committee, subcommittees and development of policy and analytical tools
MassDEP	BWP	Establish 1990 GHG emissions and project 2020 emissions assuming no cap (business as	Done – 7/09
MassDEP	BWP	Develop and implement a plan to establish a GHG emissions inventory and mandatory and voluntary GHG emissions reporting by April 15, 2009	GHG Reporting regulations, which will allow for annual updating of the GHG inventory, were promulgated 7/09
MassDEP	BWP	Assist in the development and implementation of an agency wide plan to reduce MassDEP energy use, increase efficiency, renewable fuels / integrate energy use concerns, and promoting increased efficiency and renewable fuels into the design and implementation of all BWP and other bureau's programs	Ongoing

Origin (e.g. PPA, MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
MassDEP	BWP	Review Massachusetts Environmental Policy Act projects for transportation and air quality impacts including GHG emissions	-Issued written comments on 25 MEPA projects -Screened approximately 25 Environmental Monitors. The screening covers every ENF, NPC and SEIR. If a project meets our trip based review thresholds or is otherwise specifically assigned then it gets reviewed and comments are issued. -Issued approval letters for an estimated 10-12 air quality analysis input file requests with review help from our
MassDEP	BWP	Assist DOER on design of home heating oil blending requirement including consideration of the impacts on Ozone SIP	Ongoing
MassDEP	BWP	Assist DOER on diesel fuel blending rules including consideration of the impacts on air	Ongoing
MassDEP	BWP	Promulgate Greenhouse Gas labeling for vehicles regulations	Regulations promulgated June 2009, applications received and evaluated
MassDEP	BWP	Participate in the MassDEP Energy Team	Ongoing
MassDEP	BWP	In conjunction with EEA and MEPA, implement the new policy for reporting and mitigating GHG emissions from certain large development projects subject to MEPA	See cell G98 above
MassDEP	BWP	Support the implementation of the Climate Registry through participation in the Board	Ongoing
MassDEP	BWP	Track EPA's rulemaking initiative to incorporate CO2 reporting in the National Emissions Inventory (NEI) data system	Comments submitted in April '09 and working w/ EPA on implementation of final rule
MassDEP	BWP	If California waiver is approved by EPA, implementing the greenhouse gas requirements for light duty vehicles (known as the "Pavley" regulations) as part of the Commonwealth's low emission vehicle (LEV) program	Rule effective for MY 2009.
MassDEP	BWP	Manage Greenhouse Gas Credit Program including transition from 7.29 rules (state only CO2 requirements for coal fired utilities) to Regional Greenhouse Gas Initiative (RGGI) cap and trade framework.	Credit applications completed and awarded; CO2 requirements phased out and final compliance demonstrated; use of trust fund expected in calendar year
MassDEP	BWP	Develop work plan for the BWP Climate Strategy Group including department training and workshops	Ongoing work w/ advisory committee, subcommittees and development of policy and analytical tools.
MassDEP	BWP	Work on national Climate Change / Greenhouse Gas legislation	Ongoing
MassDEP	BWP	Update Climate and Air pages on the MassDEP website	Ongoing
MassDEP	BWP	Consider energy and greenhouse gas policy implications of specific projects	Ongoing
MassDEP	BWP	Work with DOER on implementing Biomass projects (permitting for stationary air sources and Beneficial Use Determinations (BUDs) for Solid Waste.)	MassDEP staff has provide technical assistance to DOER and project proponents for a number of biomass projects.
MassDEP	BWP	Participate in Green Building Sustainability Committee	Ongoing
PPA	BWP	Participate in new England Governors / Eastern Canadian Premiers (NEG/ECP) climate change steering committee and work to implement strategies under Climate Change Action	Ongoing
PPA	BWP	Use FFY08 carryover funds to begin development of a guidance document for mitigating GHG emissions from development projects (MEPA GHG policy). The Guidance Document would assist EOEEA agencies, including MassDEP, in identifying the most cost-effective measures for reducing project impacts, and can also serve as a resource for project	Ongoing; contractor on board and developing model pages for guidance document
heading	BWP	Sub-Objective 1.5.1 By 2012, 46 Million Metric Tons of Carbon Equivalent (MMTCE) will be Reduced in the Building Sector (compared to the 2002 level).	

Origin (e.g. PPA, MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BPP	Work with EPA to encourage local communities to participate in the New England Community Energy Challenge. Include complementary activities in the "MassDEP only" portion of the plan. NOTE: MassDEP will implement provisions of new state climate change/energy efficiency legislation (Green Communities Act, Global Warming Solutions Act, and the Clean Energy Biofuels Act). BWP will work on this initiative to the extent that resources allow and these EPA activities are consistent with state mandates.	EPA and DEP collaborated to present CEC information at two MA DEP recyclers meetings on 12/9 and 11. EPA is actively promoting DOER / Green Communities programs with the 57 current CEC participants through its e-newsletter. Interns gave technical assistance to 19 MA communities this summer. In March 2009, EPA, ICLEI and DOER met to review benchmarking tools.
PPA	BWP	Continue to oversee the progress of the New England Multi-state Energy Efficiency Task Force. This project will examine opportunities to improve the role of energy efficiency in electricity use by engaging Commissioners and Agency staff from the energy and environmental agencies of the New England states in identifying energy efficiency best	Ongoing
heading	BWP	<i>Sub-Objective 1.5.2 By 2012, 99 MMTCE will be Reduced in the Industry Sector (compared to the 2002 level).</i>	
PPA	BRP	Work with EPA to promote energy efficiency upgrades in the wastewater and drinking water sectors. Strategies include lighting upgrades, promoting more efficient motors and/or boilers, and onsite power generation opportunities where they save energy and reduce emissions. Include complementary activities in the "MassDEP only" portion of the plan.	MassDEP, EPA and the Mass Dept. of Energy Resources continued to provide assistance to these sectors, and plan to continue efforts in 2010.
PPA	BPP	Work with EPA to encourage local communities to participate in the New England Colleges and Universities Energy Challenge. Include complementary activities in the "MassDEP only" portion of the plan. NOTE: MassDEP will implement provisions of new state climate change/energy efficiency legislation (Green Communities Act, Global Warming Solutions Act, and the Clean Energy Biofuels Act). BWP will work on this initiative to the extent that resources allow and these EPA activities are consistent with state mandates.	MassDEP continues to support college and university involvement in EPA's Energy Challenge.
PPA	BWP	Promulgate and implement the state's revised Combined Heat and Power (CHP) regulation to identify opportunities to apply on-site renewables and combined heat and power in hospitals, Colleges and Universities and other industrial settings.	Promulgated, effective 10/17/08. CHP projects subject to 310 CMR 7.26(45) are required to submit application for plan approval under 310 CMR 7.02(5)(c) to the appropriate Regional office. To date no applications have been made to a regional office.
heading	BWP	<i>Sub-Objective 1.5.3 By 2012 15 MMTCE will be Reduced in the Transportation Sector (compared to the 2002 level).</i>	
PPA	BWP	Continue to implement the MA Rideshare program	Collected, reviewed and obtained necessary revisions of mandatory annual reports describing rideshare programs and participation submitted by 186 facilities.

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BWP	Promote cleaner transportation fuels, including E-85, low sulfur diesel fuel in marine and locomotive applications, and biodiesel. Note MassDEP will implement provisions of the new climate change / energy efficiency legislation (Green Communities Act, Global Warming Solutions Act, and the Clean Energy Biofuels Act). BWP will work on this initiative to the extent that resources allow and these EPA activities are consistent with state mandates.	Work "parked" due to resource constraints.
heading	BWP	Objective 1.6 Enhance Science & Research	
heading	BWP	Air Monitoring	
PPA	BWP	Air Monitoring Network: Implement initial EPA approved changes to the air monitoring network to transition from the traditional National Air Monitoring System (NAMS) / State and Local Air Monitoring System (SLAMS) framework to the framework for ambient air monitoring in the US as detailed in the National Ambient Air Monitoring Strategy. Submit plan for	The NCORE Plan was submitted in July 2009. The DEP asked for a waiver for measuring NO _y at the urban NCORE site. All waiver requests were denied in November 2009.
PPA	BWP	Air Monitoring Network: Phase in use of NCore monitors, especially trace gas monitors, in order for the Ncore sites to be fully operational by the required January 1, 2011 start date. Once operational, report data to Air Quality System (AQS).	Trace Sulfur Dioxide and Carbon Monoxide are currently measured at (Harrison Avenue) NCORE site. As mentioned above, NO _y will need to be installed and operated there.
PPA	BWP	Air Monitoring Network: Submit to EPA by July 1 the annual air monitoring network plan and schedule (40 CFR 58.10). (OAQPS M08)	Network review was submitted to EPA in 8/09.. EPA is waiting for a public response (website) to their and other comments. Respnse to comments are expected to be posted on the web site within a month.
PPA	BWP	Air Monitoring Network: Operate EPA-approved network (State and Local Air Monitoring System (SLAMS), Photochemical Air Monitoring System (PAMS), particulate matter (PM), enter the air monitoring, precision and accuracy data into EPA's Air Quality System (AQS) within 90 days (180 days for volatile organic chemicals (VOCs) of the end of each calendar quarter (40 CFR 58.12, 58.14, & 58.16) and submit the annual SLAMS data certification by	The data certification letter was submitted and the data is being submitted as described.
PPA	BWP	Toxics Air Monitoring: Continue operation of the toxics air monitoring sites and enter the data into AQS. (OAQPS M20)	National Air Toxics Trends (NATTS) is collecting and submitting data as described.
PPA	BWP	Quality Assurance: Update all approved Quality Assurance Project Plan (QAPPs) annually and five year revisions as needed. Ensure adequate, independent Quality Assurance audits of National Ambient Air Quality Standard (NAAQS) monitors or participate in National Performance Audit Program (NPAP) and Performance Evaluation Program (PEP) quality	We are participating in the PEP program. SOPs and QAPPS are updated as required.
PPA	BWP	Prepare to terminate the FY08 Particulate Matter (PM) §103 air monitoring grant on March 31, 2009.	Done. Four (4) BAMS were traded in for FEM models and two more have just been traded in for two more FEM BAMS for the FFY10 Grant.
heading	BWP	Objective 1.7 (MassDEP Objective) Clean Air: Maintaining Prior Gains (new)	
heading	BWP	Air Stationary Source Compliance Assurance	
MassDEP	BWP	Ensure that stationary air pollution sources comply with permits, performance standards, and reporting requirements, through report reviews, emissions monitoring, inspections, technical assistance, and enforcement actions	487 inspections 2694 report reviews 170 enforcement actions (90 NON and 80 Higher Level Enforcement (HLE) (Note: does not include stage II or ERP facilities, enforcement includes reporting violations, and enforcement may have been for a violation discover

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
heading	BWP	<i>Highlights: priorities / projects / EPA commitments</i>	
MassDEP	BWP	Conduct offsite Full Compliance evaluations at Air Operating Permit sources and taking appropriate enforcement follow up as needed per the EPA Compliance Monitoring Strategy as modified for MA	41 onsite ACEs (Full Compliance Inspections 24 offsite ACEs 15 Notices of Non Compliance 11 Higher Level Enforcement Actions (Note: enforcement may have been for a violation discovered during a prior fiscal year, and all enforcement actions for violation
MassDEP	BWP	Conduct onsite full compliance evaluations at Restricted Emission Status (RES) m80 (major 80%) air pollution sources and taking appropriate enforcement follow up as needed per the EPA Compliance Monitoring Strategy as modified for MA	42 onsite ACEs 15 NON, 8 Higher Level Enforcement actions (Note: enforcement may have been for a violation discovered during a prior fiscal year, and all enforcement actions for violations discovered in FFFY09 may not have been issued by the end of FFFY09)
MassDEP	BWP	Conduct onsite full compliance evaluations at minor air pollution sources taking appropriate enforcement follow up as needed per the EPA Compliance Monitoring Strategy as modified for MA	171 full compliance inspections 183 enforcement actions Note: enforcement actions include reporting violations and may be due to violations incurred in the prior FFFY
MassDEP	BWP	Continue to populate EPA's Air Facilities System (AFS) data base	Ongoing
MassDEP	BWP	Complete Quality Assurance Project Plans (QAPPs) for Air Facilities (AFS) and National Emissions Inventory (NEI) systems	Drafted, however the EPA systems are still under development. The data transfer procedures and QAPPs cannot be completed until EPA's systems are finalized.
heading	BWP	<i>Transportation Control Programs</i>	
MassDEP	BWP	Ensure that emissions from mobile air pollution sources are adequately controlled through transportation planning process (conformity reviews)	Conformity letter issued 10/26/09.
MassDEP	BWP	Ensure that emissions from mobile air pollution sources are adequately controlled through the enforcement of the tailpipe emissions limits and implementation of other tailpipe emission control programs	Ongoing
MassDEP	BWP	Implement the Big Dig Mitigation measures including the Central artery / Transit Agreement, Monitor Executive Office of Transportation's compliance with the Transit Regulation, monitor Massachusetts Turnpike Authority's compliance with the operating certification of the tunnel ventilation system, monitor Mass Highway Department's compliance with the High Occupancy Vehicle (HOV) lane requirement and study of the air quality benefits of the HOV	Ongoing

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
MassDEP	BWP	Assure compliance with MassDEP Low Emission Vehicle / Zero Emission Vehicle (LEV/ZEV) program through reviewing manufacturers' fleet mix data, working with the Registry of Motor Vehicles to prevent registration of noncompliant vehicles, responding to tips and complaints, providing public information, and taking appropriate enforcement actions	Work Ongoing.
MassDEP	BWP	Implement flexibility within the Zero Emission Vehicle mandate with CA and other states to maximize the use of advanced technology vehicles by reviewing auto manufacturer's alternative compliance plans (CA ZEV Revision)	This is no longer happening – LEV Administrative Compliance Orders with Penalties have expired.
MassDEP	BWP	Review Massachusetts Environmental Policy Act (MEPA) projects for transportation and air quality impacts	Ongoing
heading	BWP	<i>Tail Pipe Emissions Control Programs</i>	
PPA	BWP	Submit letter to EPA clarifying implementation of On Board Diagnostics 2 (OBD2) State Implementation Plan (SIP).	Letter not submitted and no longer necessary as IM regulation has been revised.
MassDEP	BWP	Continuing to implement the Inspection and Maintenance (I&M) program	Ongoing
MassDEP	BWP	Inspection Station Audits: Oversee 1600 equipment audits by contractor	The start of covert auditing has been delayed pending completion of software-related changes necessary to protect covert vehicle identity in a completely online IM program.
MassDEP	BWP	Work with the Registry of Motor Vehicles on issuing emissions waivers, enforcement of the emissions testing and repair requirements	Ongoing
MassDEP	BWP	New C&E System Citation Maintenance and Penalty Calculation application (PenCalc): preliminary beta testing and modifications, user testing, development of user guide/help, rollout	Done
MassDEP	BWP	Provide public information on the inspection and maintenance program including the repair report card, the quarterly technician newsletter, and responding to questions and complaints	Information provided through IM web page, quarterly newsletter and station and motorist hotlines.
MassDEP	BWP	Monitor onboard diagnostics testing including data collection and analysis	Work Ongoing through monitoring of vehicle inspection database.
MassDEP	BWP	Close out the former Inspection and Maintenance (I&M) contract for tail pipe emission testing and start up the new contract	Contract closed as of November 2009.
MassDEP	BWP	Mass Highway Department Construction Sites / Equipment: monitor Mass Highway Department Compliance with diesel retrofit requirements (emissions controls) from state procurement contracts	MHD fully implementing program.
heading	BWP	<i>Emissions Inventory</i>	

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
MassDEP	BWP	Maintain air pollutant emissions inventories	Ongoing
MassDEP	BWP	Continue to populate EPA's National Emission Inventory (NEI) data base	Ongoing
heading	BWP	<i>Air Pollution Source Regulatory Revisions</i>	
MassDEP	BWP	Promulgate and implement the revised Air Quality gas station Stage II emission control regulations	Promulgated February 2009
MassDEP	BWP	Revise the Air Quality - gas station Stage II E85 emission control regulations (to address ethanol)	Final regulation revisions approved by BWP Dec 2009. Currently awaiting MassDEP's Commissioner approval.
MassDEP	BWP	Work toward transitioning the gas station Stage II emission control program to ORVR (onboard vapor recovery)	Ongoing
MassDEP	BWP	Promulgate the air quality combined heat and power regulations	Done - Fall 2008
MassDEP	BWP	Revise the air quality emergency engines regulations for Tier IV Federal standards	Draft regulations in Commissioner's Office awaiting approval to go to public hearing
MassDEP	BWP	Work on Small Wood Boiler BACT standard	Participating with NESCAUM group.
MassDEP	BWP	Revise the solid waste facility, siting, and BUD regulations to better address energy proposals	An internal solid waste work group has been established and has met numerous times to decide how to modify the regulations to allow for use of separated materials as fuels.
MassDEP	BWP	Assist DOER with air quality biomass emission standards in conjunction with renewable energy credit program changes	Ongoing, as-needed review of applications to DOER for approval under RPS, for conformance to "low-emissions" criteria in DOER guideline. Case-by case determination of meeting "low-emissions" criteria for facilities below minimum threshold of guideline coverage. DOER currently not processing new applications for RPS coverage ("Statement of Qualification") until completion of Study on Biomass Sustainability.
heading	BRP	GOAL 2: CLEAN & SAFE WATER - . The goals, workplans and summaries will again be disseminated via the internet. Detailed, specific information regarding strategic priorities and trend information is reflected in the web links shown below. Clean Water and Healthy Ecosystems - http://www.mass.gov/dep/water/priorities/sggwhome.htm Intact and Functioning Wetlands - http://www.mass.gov/dep/water/priorities/wethome.htm Clean and Safe Water - http://www.mass.gov/dep/water/priorities/dwhome.htm	

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
heading	BRP	Objective 2.1 Protect Human Health	
heading	BRP	Sub-Objective 2.1.1 By 2011, 91% of the Population Served by CWSs will Receive Drinking Water That Meets all Applicable Health Based Standards	
heading	BPP	<i>Certification of Drinking Water Labs</i>	
PPA	BPP	Maintain full certification of the DEP WES state principal laboratory and follow up promptly on any action items resulting from EPA's audits of the laboratory. Maintain required schedule for private laboratory inspections.	The MassDEP/WES state principal laboratory has maintained EPA certification for drinking water contaminants and has addressed EPA audit findings as required for primacy under the Safe Drinking Water Act. The WES Laboratory Certification Program (LCP) inspection frequency of Massachusetts-certified commercial and municipal laboratories exceeds EPA requirements.
heading	BRP	<i>Source Water Protection</i>	
PPA	BRP	Continue to support implementation of local programs and, where appropriate, continue to integrate source water protection implementation into other programs as appropriate (e.g., underground injection control (UIC), storm water). (Sub objective 2.2.1, Strategic Target SP-4)	Continued providing support for local adoption and implementation of water protection requirements including integration with the UIC program and newly assumed management of underground storage tank program (transferred in FFY09 from another state agency to MassDEP).
heading	BRP	<i>Drinking Water</i>	
PPA	BRP	Work to achieve target of 90% of population served by Community Water Systems (CWSs) that receive drinking water that meets all applicable health-based drinking water standards through approaches including effective treatment and source water protection. (Sub objective	Achieved 91% of population served by Community Water systems receiving water that met all applicable health based standards as of 3rd quarter of FFFY.
PPA	BRP	Work to achieve target of 90% of Community Water Systems (CWSs) that provide drinking water that meets all applicable health-based standards through approaches including effective treatment and source water protection. (Strategic Target SP-1)	Achieved 86.6% of community systems providing water that met all health base standards as of 3rd quarter of FFFY
PPA	BRP	Work to achieve target of 95% of "person months" (i.e., all persons served by Community Water Systems (CWSs) times 12 months) during which CWSs provide drinking water that meets all applicable health-based drinking water standards. (Strategic Target SP-2)	Achieved 97.9% of "person months" meeting all health based standards for community systems as of 3rd quarter of FFFY.
PPA	BRP	Long Term 2 Enhanced Surface Water Treatment Rule (LT2/Stage2): Implement rules and coordinate, as necessary, with Region. Work with Region to make any changes necessary to primacy package to obtain EPA approval.	Implemented this rule in 2009. Awaiting EPA primacy approval or suggested changes to attain primacy for this rule.
PPA	BRP	Groundwater Rule: Submit primacy package or request extension, as appropriate. If primacy revision is already submitted, work with Region to make any changes to package to obtain approval. Continue to work on preparation for rule implementation including coordination with Region, technical assistance providers, etc. on outreach and training.	Primacy package of regulations to create this rule in Massachusetts was submitted and final rule is in effect as of December 25, 2009.

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BRP	Sanitary surveys: Continue expanded use of electronic sanitary survey tool; conduct surveys of Community Water Systems (CWSs) on three-year cycle and Non Transient Non-Community Water Systems (NTNCWSs) and Transit NOn-Community Water Systems (TNCWSs) on five-year cycle. At a minimum, report surveys for surface water and Groundwater Under Direct Influence of Surface Water (GWUDI) systems to Safe Drinking Water Information System (SDWIS). Note: three-year cycle for surveys conducted at CWSs will be measured based on the period 1/1/06 through 12/31/08. (Measure SDW-1a)	Sanitary surveys were conducted as planned.
PPA	BRP	Data verifications: follow-up/correction of deficiencies noted in most recent Data Verification.	Done.
PPA	BRP	Security/Emergency Response: continue to coordinate with EPA on security workshops, drills and pandemic planning.	Coordination and joint planning is Ongoing.
PPA	BRP	Continue to follow-up on any Lead and Copper Rule (LCR) action items (e.g., follow-up on LCR data verification).	All follow up completed.
PPA	BRP	Maintain timely and accurate reporting to Safe Drinking Water Information System (SDWIS).	Accomplished
PPA	BRP	Logic Model: Support Region as necessary in roll-out of EPA's Logic Model. (The Region will work to minimize any needed support/feedback from MassDEP.)	We continue to be willing to support EPA when requested
heading	BRP	<i>UIC</i>	
PPA	BRP	Continue to close identified Class V motor vehicle waste disposal wells; continue to report Underground Injection Control (UIC) activities to EPA per 7520 form (e.g., number of inspections conducted, number of permits issued, etc.) (Measure SDW-6)	Continued UIC work as planned: report submitted 12/09 summarizing program's 2009 accomplishments. We conducted 853 inspections and documented closure of 65
heading	BRP	Sub-Objective 2.1.2 By 2011, Reduce Public Health Risk and Allow Increased Consumptions of Fish and Shellfish	
MassDEP	BRP	No specific PPA related action for the State	
heading	BRP	Sub-Objective 2.1.3 By 2011 Improve the Quality of Recreational Waters	
heading	BRP	<i>Beaches</i>	
PPA	BPP	Coordinate with Mass. Dept. of Public Health to implement beach monitoring program, including meeting performance criteria established by federal BEACH Act to remain eligible for FY09 beach grant. (SP-9, SS-2)	Completed in FY2007 - MassDEP/WES has received no further request from Mass. DPH for assistance with the beach monitoring program since that time; this activity should be removed from the PPA.
PPA	BPP	Participate in Regional Beach Initiative, including interagency beach workgroup and using "Flagship" beaches, Salem and Provincetown municipal beaches and Wollaston Beach as models for state beach program.	Completed in FY2007 - MassDEP/WES has received no further request from Mass. DPH for assistance with the Regional Beach Initiative since that time; this activity should be removed from the PPA.
heading	BRP	Objective 2.2 Protect Water Quality	
heading	BRP	Sub-Objective 2.2.1 By 2012 use Pollution Prevention and Restoration Approaches to Protect the Quality of Rivers, Lakes and Streams on a Watershed Basis	

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BRP	Develop and submit to EPA an acceptable Workplan to address nutrient impairments in the Massachusetts Estuary Program (MEP) study area in Southeastern MA. Implementation of this initiative will enable communities to solve water quality problems that arise in shared watersheds. The program will fund between 4 and 8 projects that involve more than one community's efforts to improve drinking water or estuarine water quality. Project proposals will be solicited from communities that are designed to better understand the impact of multiple town nutrient loading on the water quality of a specific bay or drinking water supply and/or better understand the management options available to communities to manage nutrient loads from multiple communities and design possible solutions.	The Mass. Estuaries Project suffered from a contractual dispute with the data contractor in 2009. Communities are continuing to work on Comprehensive Water Resource Management Plans and MassDEP continues to support them in a variety of ways.
heading	BRP	<i>303(d)/305(b) lists: Impaired Waters</i>	
PPA	BRP	Submit electronic updates for the 305(b) and 303(d) Integrated Impaired Waters Report using EPA's Assessment Database (ADB) by April 1, 2009. (WQ-7)	We were unable to submit electronic updates in FFFY 2009. MassDep and EPA have been working toward full implementation of ADB for the 2010 listing. This work is Ongoing.
PPA	BRP	MassDEP will continue to georeference waters to National Hydrography Dataset (NHD) 1:25,000 and will begin using 1:24,000 when MassGIS is updated to reflect the finer	This work is Ongoing as new segments are assessed and georeferenced.
heading	BRP	<i>Monitoring</i>	
PPA	BRP	Continue implementing final comprehensive water monitoring strategy covering lakes, rivers and estuaries, as financial resources allow. (WQ-5)	Continued to follow monitoring strategy in 2009.
PPA	BRP	Review and update monitoring strategy as needed by September 30, 2009	No review Done in part because of resource constraints, and low priority (no large changes)
PPA	BRP	Report on outcomes of monitoring activities using FY2007 and FY2008 Water Quality Monitoring ("106") supplemental funding for monitoring by Sept. 30, 2009. Prepare workplan for FY2009 Water Quality Monitoring 106 supplemental funds by May 1, 2009.	Monitoring activities were summarized and posted on our internet page. Workplan was submitted in July 2009.
heading	BRP	<i>STORET/WQX (Water Quality Exchange)</i>	
PPA	BRP	Continue routine annual uploads of physical, chemical and biological data to Water Quality Exchange (WQX, formerly STORET).	In process of developing new database for water quality information that will link to WQX node. Partial initial upload was made, and work continues to fully implement in spring
heading	BRP	<i>Water Quality Standards - Biological, Nutrient, Temperature</i>	
PPA	BRP	EPA will continue efforts toward addressing flow quantity and water level issues to ensure protection of instream waters uses and quality with EOEAA, DCR, and other state and	EPA action item.
PPA	BRP	Conduct an assessment of MassDEP's biocriteria program, as provided by EPA's Office of Water at no cost.	EPA performed this assessment, DEP participated, and results are pending
PPA	BRP	Continue Ongoing Water Quality Standards (WQS) activities and work with EPA to resolve outstanding issues.	Work continued in FFFY 2009. Awaiting EPA approvals in 2010.

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BRP	Continue to develop nutrient criteria in accordance with the Nutrient Criteria Development and Adoption Plan. (WQ1-b)	Work continued in FFY 2009
heading	BRP	<i>Watershed Approach (Please refer to EPA's proposed revisions to its strategic plan (2008-2012) and the national water program guidance for FY'09 for further description of the watershed measures)</i>	
PPA	BRP	Using the PPA process, 303(d) list, the nonpoint source Request for Proposals (RFP), national estuary program Environmental Protection Integrated Computer System (CCMP), and other state processes, work with EPA to identify priority watersheds and water bodies using bacteria source tracking techniques or other available protocols or measures for the state to focus effort to identify and remediate specific sources and to protect and improve water quality. Where information is available assist EPA Region 1 to develop targets for FY'10 (Jan./Feb. '09) and reporting progress for FY'09 on the watershed restoration measures known as L (fully restored) , Y (Partially restored), and W (full watershed restoration) (Sept. 09). (SP-10, SP-11, SP-12)	MassDEP has used the information from commitment #s 79-82 above to identify several streams to conduct bacteria source tracking activities across the Commonwealth. Data has been collected over the last several years and actions have been taken to investigate and remediate sources where identified.
PPA	BRP	In those priority water bodies and watersheds, work to leverage existing tools such as the state's TMDL, nonpoint source, water quality, permit, SRF grant, national estuary, and source water assessment programs to concentrate implementation efforts and to measure improvements.	Follow-up discussions have taken place with several municipalities / dischargers, and enforcement has taken place at a number of locations to remediate bacterial contamination and corrective actions were taken.
PPA	BRP	Work with EPA to identify and develop a list, where information is readily available, of water bodies that the state is working to fully restore (measure L) or partially restore (measure Y) over the next several years. (SP-10, SP-11)	DEP and EPA discussed this issue in FFY09. Several water segments were identified for follow-up bacterial source tracking work. Most of these segments are only listed for bacterial impairment and therefore would fit under measure L but a few may be listed under measure Y as well.

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BRP	For measure W, work with EPA Region 1 to review and update (if needed), based on existing and readily available information, a list of impaired watersheds (at the 12-digit level) that the state is working to restore, and include the projected date of the improvement where possible. The list should also include impaired watersheds where significant work towards restoration is underway. By 9/30/09, report any progress (or refer to existing reports it relevant) on restoration work completed in measure W watersheds.	This activity was started with Mike Hill at EPA and projects are underway. Major watersheds were identified where work is ongoing (Blackstone and Connecticut Rivers). We are targeting other major watersheds such as Cape and Buzzards Bay and assisting municipalities develop CWMPs to address nutrients. The nutrient TMDL for the Assabet River was developed and the results incorporated into NPDES permits resulting in 4 major treatment plant upgrades. We also developed, nutrient and bacteria TMDLs for the Charles, and with other stakeholders (including 3 municipalities); launched a pilot for the Charles River to identify appropriate stormwater BMPs and help inform the development of state stormwater policy. We also have worked on smaller projects in the communities of Scituate, Cohasset, and Harvard where 319 funding has been prioritized and used through multiple funding cycles to implement best management practices that will result in water quality improvements. This work is ongoing.
heading	BRP	<i>Non-Point Source (NPS) 319</i>	
PPA	BRP	Continue to use the 2004 Nonpoint Source Program and Grants Guidelines for States and Territories to identify eligible activities, program priorities and reporting requirements.	Continued to use the guidelines and the watershed based plan to identify eligible activities and set program priorities.
PPA	BRP	Continue to work with other government agencies to influence the targeting of a portion of the Farm Bill Programs (e.g., Environmental Quality Incentives Program or EQIP) to areas of environmental concern (i.e., impaired waters, fragile waters in need of protection, and a watershed approach).	MassDEP staff participated during FFY 09 in the state technical committee meetings sponsored by NRCS to direct farm bill funding into impaired / priority areas. Thanks to our coordination efforts NRCS uses water quality status as an important criteria for directing farm bill funds.
PPA	BRP	Continue to target 319 funds for priority segments or watersheds to include measure W (watershed restoration). Increase the NPS program performance in the restoration or partial restoration of impaired waters and, if possible, prepare and submit 1 success story for restored or partially restored water bodies in accordance with EPA national computational guidance. (SP-10, SP-11, SP-12, WQ-10)	The solicitation for projects this year offered extra points for projects that would meet measure W goals. We were not able to finalize a success story for 2009.
PPA	BRP	Continue to enter all 319 grant dollars and mandatory data elements into the Grants Reporting Tracking System (GRTS) by Feb 15th of each year and provide timely review of national GRTS reports prepared for the state and attend annual GRTS training. (WQ-9)	All data timely entered. Travel restrictions prevented attending GRTS conference.

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BRP	Continue to ensure that watershed based plans developed using incremental dollars portion of the 319 funds will contain the 9 (a- i) elements specified in the 2004 guidance. (WQ-10)	Yes, these elements were included in watershed based plans.
PPA	BRP	Continue to submit a 319 related workplan and annual report for all projects and activities. Provide information annually relative to the distribution of funding toward implementation projects, staffing, and statewide nonpoint program activities, progress in meeting the annual priorities and commitments and in carrying out the state NPS Management Program, improvements in water quality resulting from program implementation, and the status of	Annual report submitted. Project final reports were submitted for completed projects. Workplan is drafted and is undergoing review.
PPA	BRP	Assuming that the state receives funding levels consistent with previous years: maintain current levels of funding to implement structural and non-structural BMPs and watershed projects that continue or enhance successful water quality restorations that can be reported	We maintained funding for these projects.
heading	BRP	<i>NPDES Development</i>	
PPA	BRP	Complete drafts for all permits which MassDEP agrees to prepare. (WQ-12a)	Accomplished.
PPA	BRP	Identify NPDES work-sharing activities for FY 2009, including Saugus River and other watershed permits.	Informal coordination w/EPA continued. We coordinated efforts with EPA on illicit discharge detection and elimination programs (IDDE), which are part of the MS4 permit requirements.
PPA	BRP	MassDEP will work with EPA to develop efficiencies for processing NPDES permits including ways to reduce duplication between the agencies, increase production of permits, develop nutrient effluent limits, consolidate state agency reviews, and explore state NPDES	MassDEP and EPA started to work on permitting efficiencies with more vigor after the retirement / transfer of key program personnel in both agencies. This effort is Ongoing in FFY
PPA	BRP	Participate in bi-monthly coordination and planning calls on the status of joint NPDES permits.	These coordinating calls were held, but less frequently than planned.
PPA	BRP	Coordinate on NPDES Permitting for Power Plants.	MassDEP has coordinated with EPA and provided comments for these permits.
PPA	BRP	Assist EPA in responding to comments received during public comment periods.	MassDEP assisted EPA in responding to comments.
PPA	BRP	Assist EPA in defending NPDES permit appeals.	MassDEP assisted in this area.
PPA	BRP	Assist in the issuance of priority permits from FY08 if not yet re-issued, including GE- Pittsfield and Mirant Canal. Assist in the issuance of priority permits in FY09 which are to be determined and likely to include GE-Lynn, and Wheelabrator Saugus. (WQ-19a)	MassDEP assisted EPA with these priorities permits. GE permit was issued, Mirant Kendall is pending.
PPA	BRP	Assist in the development and issuance of general permits, including drafting state Water Quality requirements: non-contact water General Permit (GP), Water treatment backwash discharge GP, reverse osmosis GP, and construction dewatering GP. (WQ-12a)	Mass DEP issued a water quality certification for the construction dewatering general permit, and the water treatment backwash general permit.
PPA	BRP	Continue current level of effort on joint administration and enforcement of the Storm water Phase II Municipal Separate Storm Sewer (MS4) Permit.	Continued prior level of effort
PPA	BRP	Assist in public notice and issuance of new Stormwater Phase II MS4 general permits (GPs). Assist in the review of Notices of Intent (NOIs) and other permit-related documents and in authorizing discharges under new Stormwater Phase II Municipal Separate Storm Sewer	The new permit has not yet been issued. Once it is, MassDEP will assist in these efforts

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BRP	Continue current level of support to the regional program by helping with storm water permitting outreach efforts.	MassDEP has assisted EPA in providing outreach to existing MS4 permittees
PPA	BRP	Assist in the joint reissuance of Stormwater Phase I Municipal Separate Storm Sewer (MS4) permits for Boston and Worcester. (WQ13a & b)	These permits have not yet been issued, but MassDEP has assisted in reissuing these joint permits.
PPA	BRP	Assist in the development of new Phase II Storm Water Municipal Separate Storm Sewer (MS4) General Permit (GP) for issuance if all final GPs are not issued in FY08. Assist in the development of new Construction Storm Water GP	MassDEP's efforts have been concentrated in helping develop the new MS4 general permit.
PPA	BRP	Continue to work with EPA to approve and enforce Long Term Combined Sewer Overflow (CSO) Control Plans.	Coordinated with EPA in reviewing and approving these Plans, most notably in the Connecticut River Watershed.
PPA	BRP	Continue to work with EPA to reconcile policy issues related to variances/water quality standards determinations/and affordability issues.	Major policy discussions have been unnecessary, but we have held productive discussions on a project by project basis. Discussions are Ongoing.
heading	BRP	<i>TMDL Development</i>	
PPA	BRP	Participate in Region 1 / State / New England Interstate Water Pollution Control Commission (NEIWPCC) TMDL efforts to improve environmental effectiveness of the TMDL program. (WQ-8b)	MassDEP participated in this effort which is Ongoing. For example, we have been working with EPA and the TMDL innovations workgroup on innovative methodologies including those to address impervious cover
PPA	BRP	<p>EPA recognizes the unique and important role of the state in the assessment of water quality and the implementation of controls intended to meet state water quality standards. EPA also recognizes the prominent role of the state in the development of TMDLs and the implementation plans for these studies. EPA also recognizes that consultation and close coordination with MA DEP is critical for the long term success of water quality improvements within the state. Therefore, EPA agrees to closely coordinate with MA DEP and carefully consider state strategies and implementation plans prior to initiating any residual designation effort, or making a decision on any residual designation petition EPA may receive. As part of that coordination, EPA will solicit and give strong consideration to DEP's views on whether RDA is necessary to ensure reasonable progress toward meeting water quality standards.</p> <p>TMDL commitment target for FY09 is 110, assuming EPA approves 100 watershed pathogen TMDLs carried over from 07/08 (substitutions allowed). (WQ-8b). EPA and DEP agree that there is a need to evaluate the effectiveness and appropriateness of residual designation as a</p>	MassDEP considered EPA's Residual Designation efforts in designing our proposed state stormwater program. Coordination with EPA is ongoing.

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
heading	BRP	Sub-Objective 2.2.2 By 2011 Prevent Water Pollution and Protect Coastal and Ocean Systems to Improve National Coastal Aquatic Ecosystem Health	
heading	BRP	<i>Dredged Material Management</i>	
PPA	BRP	Participate on Regional Dredging Team Technical Workgroup (aka Sudbury Group) to coordinate with other federal and state agencies on planning and regulatory activities associated with dredging and dredged material management.	This group (Sudbury) has not been active, but MassDEP did participate in other regional dredge team meetings involving federal and state agencies to coordinate dredging activities. A group of all the cape communities along with MassDEP and DMF has been active in developing a management plan for "time of year" restrictions for dredging projects to achieve species migration goals.
PPA	BRP	Coordinate with MA Coastal Zone Management (CZM) and other relevant federal and state agencies to regulate dredging and dredged material disposal in MA coastal waters. (CO-6)	See above.
heading	BRP	<i>No Discharge Areas (NDA's)</i>	
PPA	BRP	Coordinate with MA CZM to implement outreach and enforcement strategies in support of Buzzards Bay, Cape Cod embayments, Plymouth/Duxbury/Kingston, and other new No Discharge Areas. (CO-2)	MassDEP has not participated in developments in this area.
PPA	BRP	Coordinate with MA Coastal Zone Management to identify additional areas on the coast for No Discharge Area designation. (CO-2)	See above
heading	BPP	Objective 2.3 Science & Research	
heading	BRP	<i>Water Monitoring</i>	
PPA	BRP	Participate as feasible in New England Regional Environmental Monitoring and Assessment Program (REMAP) projects, Biological Condition Gradient (BCG) workgroup, other biological/water quality monitoring activities, and attend relevant regional meetings/conferences (e.g., New England Association of Environmental Biologists (NEAEB).	MassDEP participated.
PPA	BRP	Participate in or coordinate with EPA Office of Water's National Assessments.	MassDEP participated.
heading	BWP	GOAL 3: LAND PRESERVATION & RESTORATION	
heading	BWP	Objective 3.1 Preserve Land	
heading	BWP	Sub-Objective 3.1.1 By 2011, Reduce Materials Through Product and Process Design and Increase Materials and Energy Recovery from Waste Otherwise Requiring Resource Conservation Challenge	
heading	BWP		

Origin (e.g. PPA, MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	BWP	MA will continue to work on projects that reduce or divert municipal solid waste from landfills including the recycling of commodities identified in the Resource Conservation Challenge (RCC) - paper, organics (yard and food waste), electronics, and construction and demolition debris. MA will participate in EPA's educational outreach including the RCC Web Academy and in Northeast Recycling Council projects on special events and disaster debris and the Northeast Waste Management Officials Association (NEWMOA) projects on hospitality, construction and demolition debris, beneficial use determinations and disaster debris where appropriate for the Commonwealth. Additionally, MassDEP will work with EPA on the Paper campaign, the completion of the Boston Convention and Exhibition Center model for recycling center recycling and composting, WasteWise and assistance to the Boston Green Tourism on greening of hotels and CB Richard Ellis, Inc.	MassDEP participated in the EPA RCC Webinars and continue to participate in NERC and NEWMOA projects. We continue to work with C&D processors. MassDEP sought an extension of the EPA Organics and Convention Center Grants. We provided additional technical assistance to these parties throughout the year and processed Supermarket Certification renewals. MassDEP held two Wastewise forums during the year.
heading	BWP	Solid Waste Master Plan (MassDEP heading)	
MassDEP	BWP	Develop the "Landfill Last" solid waste management strategy, revise the Solid Waste Master Plan, and begin to implement pilot projects	Draft Plan undergoing management review, current schedule to issue Draft in early 2010
MassDEP	BWP	Develop Construction and Demolition (C&D) Processor Landfills Last Strategy	Held November meeting with processors, 2nd meeting scheduled for December 2009
heading	BWP	Grants loans, technical assistance (MassDEP heading)	
MassDEP	BWP	Participate in MassDEP municipal technical assistance initiative	Ongoing
heading	BWP	Municipal Sustainability grants and technical assistance	
MassDEP	BWP	Participate in the State Sustainability Council including strategic planning, implementing the waste reduction subcommittee work plan, providing assistance to 2-3 agencies in developing waste reduction programs, and reviewing guidance and documents	MassDEP provided assistance to the Courts and DCR in establishing new recycling programs which are up and running
heading	BWP	Highlights: priorities / projects / EPA commitments	
MassDEP	BWP	Work to link municipal grant programs with other Energy and Environmental Affairs agencies such as DOER	Not Done – no funding
heading	BWP	Municipal cardboard and paper	
heading	BWP	Grants loans, technical assistance (MassDEP heading)	
heading	BWP	Commercial Waste Reduction Assistance (MassDEP heading)	
heading	BWP	Provide Business Technical Assistance (MassDEP heading)	

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
MassDEP	BWP	Provide education and outreach to business by providing technical assistance through the web, hotline, phone calls and emails and expanding listings on Earth's 911 Small Business Recycling Resource Center	MassDEP hotline remains operational as does Earth's 911 business center Developed a guidance brief for waste haulers on how a hauling company can reduce their risk of transporting prohibited wastes. Monitored status of multi-year grant provided to the Sustainable Business Network for their Sustainable Business Leader Program. Provided 3 technical assistance grants to Center for Ecological Technology (CET) for business assistance. Funding provided through EPA grant. Assistance went to HAP Housing, Cooley Dickinson Hospital and LP Adams lumber company. Coordinated 2 WasteWise Forums focusing on reuse and paper recycling. Developed on-line Material Exchange promoting reuse opportunities for businesses (www.massmaterialtrader.com) Promoted reuse and recycling of disposable shopping bags to supermarket industry Presented waste reduction opportunities to the hospitality industry at a conference coordinated by OTA Facilitated workshop on funding opportunities for organics projects. Presenters included Mass Development, USDA, Small Business Development Center
MassDEP	BWP	Promote WasteWise by seeking to enroll up to 10 new members creating membership materials, holding two WasteWise events, issuing awards and increasing reporting by	MassDEP held two Wastewsie forums during FFY09.
MassDEP	BWP	Implement business grants program: fund and manage 2 business recycling technical assistance proposals through Municipal Sustainability Grant program	Not Done – no funding
MassDEP	BWP	Participate in the New England States Gypsum Construction and Demolition Waste Management project	Ongoing
MassDEP	BWP	Implement the disaster debris open burning program: serve as the MassDEP contact and respond to requests for open burning permits	Ongoing
heading	BWP	Organics Recycling (MassDEP heading)	

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
MassDEP	BWP	Work with the Department of Agriculture on the milk house waste management project	MOU completed
MassDEP	BWP	Implement the Supermarket Initiative by increasing supermarket certifications (goal is to increase from 35 to 100), managing the EPA Technical Assistance Grant and providing quarterly progress updates to the Massachusetts Food Association (MFA)	Continue to provide assistance to supermarkets looking to divert organics. A total of 85 supermarkets have certified.
MassDEP	BWP	Promote organics recycling at convention centers and Hotels by working with the Boston Convention and Exhibition Center (BCEC) / Hynes, promoting it to other large venues and	Organics recycling was promotes and grant obligations completed except for reporting/promoting success.
MassDEP	BWP	Promote organics recycling by food service providers and food processors by meeting with large providers (Aramark, Sodexho, Sysco and participating in Northeast Recycling Council (NERC) event management grant	Not Done due to resource constraints
MassDEP	BWP	Support the Solid Waste Advisory Committee (SWAC) Organics Subcommittee by holding quarterly meetings; and support subgroup meetings on summit planning, capacity, emerging	Ongoing support provided
MassDEP	BWP	Establish Determination of Need limits for horse manure management	Ongoing
MassDEP	BWP	Develop organics recycling capacity by providing technical and financial assistance to existing and proposed organics facilities as requested, monitoring/assisting with finalizing, posting and promoting model Request for Proposals (RFP) documents	Still providing Ongoing assistance
heading	BWP	Product Stewardship (MassDEP heading)	
MassDEP	BWP	Work on E-Waste legislation	Working with legislature on language
MassDEP	BWP	Participate in national paint and carpet discussion	Not doing due to resource constraints
heading	BWP	Commercial Paper recycling (MassDEP heading)	
MassDEP	BWP	Develop the commercial paper recycling case study from Ana Jacques Hospital, and updating numbers from Shattuck Hospital	Done and posted on web

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
MassDEP	BWP	Increase recycling by state colleges and agencies by providing technical assistance work with one or two colleges on Resource Management contracting, developing template contract language for Mass. Operational Services Division (OSD) solid waste service and evaluate the potential for promoting Resource Management contracting to other sectors, educate haulers on Resource Management contracting	<ul style="list-style-type: none"> - Held twice-a-year College & University Recycling Council (CURC) meetings and established CURC listserv to endorse and discuss principles of Resource Management (RM). - Provided technical assistance to UMass-Dartmouth (UMD) on Resource Management contracting. - Monitored RM and waste reduction data from other campuses (Bridgewater State, Westfield State, Worcester State) and created case studies for web posting. - Contacted state colleges and universities on waste and recycling contracts. More planned consultation for 2010. - Worked with UMD, other campuses and haulers to establish bottle and can recycling on campus.

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
MassDEP	BWP	Support municipal business recycling programs identifying successful models, developing cases studies, providing technical assistance, overseeing the Northeast Recycling Council (NERC) rural business recycling project and developing outreach materials on waste bans and recycling opportunities	No funding – no grants – still working with NERC .
heading	BWP	Market Development (MassDEP heading)	
MassDEP	BWP	Implement Recycling Loan Fund by managing contract with Massachusetts Business Development Council approving loan eligibility requests, and conducting a recycling	Rebid contract for administration of program during FFY09.
heading	BWP	Waste Ban implementation (MassDEP heading)	
MassDEP	BWP	Plan and coordinate waste ban compliance assurance presence strategy	Conducted phase I of enforcement effort – conducted 58 inspections – issue over 75 notice of noncompliances
MassDEP	BWP	Conduct waste ban outreach, inspections, enforcement	see above
heading	BWP	Implement the Bottle Bill (MassDEP heading)	
MassDEP	BWP	Respond to Bottle Bill legislative initiatives	Working with legislature
MassDEP	BWP	Register redemption centers	Processed registrations.
MassDEP	BWP	Provide public information to centers, consumers, distributors, retailers and offices, and coordinate with the Department of Revenue	Not Done due to resource constraints.
MassDEP	BWP	Award and administer bottle bill grants	Awarded 54 grants totaling \$440,000
heading	BWP	Commercial Paper Recycling (MassDEP heading)	

Origin (e.g. PPA, MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
MassDEP	BWP	Develop standard Resource Management Contract language that promotes commercial paper recycling	Done
MassDEP	BWP	Help municipalities develop commercial paper recycling programs	Limited assistance due to funding constraints
heading	BWP	<i>Municipal Waste Recycling (MassDEP heading)</i>	
MassDEP	BWP	Provide ad hoc technical assistance to municipalities on contracting, program effectiveness, equipment inventories, and updating the Earth 911 information about recycling and sustainability resources available in communities	Provided Ongoing technical assistance to municipalities through Municipal Assistance Coordinators (MACs)
MassDEP	BWP	Promote home composting of organics and source reduction through managing the home composting bin program, conducting train the trainer workshops and teacher training, and disseminating home composting and source reduction educational and promotional materials	Held workshops – did not issue composting grants due to funding constraints.
MassDEP	BWP	Award and monitor TA grants to municipalities (5-15), regional groups, and non-profits to conduct customized waste reduction pilots and initiatives, and post project descriptions on the web.	Limited due to funding: Monitored previous fiscal year grants to municipalities and awarded 3 technical assistance grants through the Wastewise Technical Assistance program for organics diversion at supermarkets and institutions
MassDEP	BWP	Manage the recycling equipment and consumer education grant program including holding grant workshops, renewing state contracts for containers and compost bins and awarding grants to 100+ communities	Not Done – no funding
MassDEP	BWP	Manage the water conservation grant program including awarding 5-10 and \$20k new grants and overseeing and assessing in 15-20 existing grants	Not Done – no funding
MassDEP	BWP	Award and manage air quality/transportation grants including managing the idling reduction toolkit, distributing and promoting the emissions reduction manual for local communities	Not Done – no funding
MassDEP	BWP	Award and manage the rain barrel grant program	Not Done – no funding
MassDEP	BWP	Promote Pay as You Throw programs through providing technical assistance, holding workshops, and collecting and publicizing results	Doing through MACs
MassDEP	BWP	Manage the MassDEP Approved Recycling Program (DARP) through which participating communities are exempted from waste ban inspections, including registering communities and providing assistance on complying with DARP criteria, and auditing compliance	Municipalities granted DARP status for 2007 - 2009 were kept in the program.
heading	BWP	<i>Education and Outreach (MassDEP heading)</i>	
MassDEP	BWP	Manage the Earth 911 contract to maintain and update the Earth 911 data on local sustainability and recycling information, and modify the website structure	Not Done due to resource constraints
MassDEP	BWP	Promote and manage contract for the Green Team, an environmental education program for schools	Implemented through over 800 schools/classrooms
MassDEP	BWP	Provide waste reduction education for the general public through workshops for the general public on lawn and landscape care, pesticide management, backyard composting, Earth Day and America Recycles Day promotion and participation	Held workshops
MassDEP	BWP	Continue to support municipal waste reduction outreach efforts through grants, workshops and distribution of the Municipal Waste Reduction Outreach Toolkit, and managing the statewide recycling campaign efforts of South Shore Recycling Coalition (SSRC) and Mass	Done
MassDEP	BWP	Promote the recycling and reuse of state surplus property through working with Mass Operational Services Division (OSD) and with EPA and Northeast Recycling Council (NERC), distributing a bimonthly email on available items	Done. Established Materials Management website

Origin (e.g. PPA, MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
MassDEP	BWP	Oversee the Springfield Materials Recovery Facility (MRF) including overseeing the contract and day to day operations and facility maintenance, participating in the advisory council and evaluating how to increase tonnage	Done
MassDEP	BWP	Review and approve the Municipal Waste Combustor waste diversion reports including monitoring mercury diversion	In review, approval expected in FFY2010
MassDEP	BWP	Support household hazardous product collection programs through planning and development assistance to permanent collection facilities, managing state household hazardous product, CRT and mercury collection vendors, maintaining information on	Established two household hazardous waste collection centers.
MassDEP	BWP	Support school hazardous chemical clean out efforts through awarding \$\$\$ grants, promoting the program through workshops and information with town officials (Fire Departments, Boards of Health, School Committees etc.)	Not Done – no funding
MassDEP	BWP	Participate in the Northeast Recycling Council (NERC) including serving on the board of	Limited involvement
MassDEP	BWP	Participate in national and regional recycling groups including Northeast Resource Recovery Association (NRRRA), Mass Recycle, Northeast Waste Management Officials Association and NEWMOA and Solid Waste Association of North America (SWANA)	Ongoing
heading	BWP	Sub-Objective 3.1.2 By 2011, Reduce Releases to the Environment by Managing Hazardous Wastes & Petroleum Products Properly	
heading	BWP	RCRA Authorization	
PPA	BWP	Conduct public hearings on 70 federal rules (includes Land Disposal Restrictions (LDR) and miscellaneous rules).	Hearings held; final regulations being reviewed by OGC. Expect to file final LDR regulations by 2/1/10.
MassDEP	BWP	Develop Hazardous Waste mineral spirits management regulation	The mineral spirits hazardous waste amendments were promulgated in FFY 2009
MassDEP	BWP	Implement the RCRA Corrective Action program according to the terms of the revised Federal authorization	MassDEP is implementing the RCRA corrective action program and meeting with BWP, BWSC and EPA on a bi-
heading	BWP	RCRA Permit Renewals	
MassDEP	BWP	Issue permits to hazardous waste management facilities: hazardous waste treatment storage and disposal facilities, hazardous waste transporters, and hazardous waste recyclers to ensure that their operations do not cause harm	Issued a total of 203 hazardous waste related permits
PPA	BWP	Renew Treatment Storage Disposal Facility (TSDF) permits at three (2) TSDFs on 09-11 permit renewal baseline. (HW0)	2 permit renewals issued
heading		Underground Storage Tanks (UST)	
MassDEP	BWP	Participate in Division of Fire Services (DFS) /DEP interagency work group to develop a plan for potentially transitioning the program to MassDEP	The federal UST program was successfully transferred from DFS to MassDEP on July 1, 2009.
MassDEP	DFS	State only - all states are eligible except Massachusetts; MA State Fire Marshal has its own categorical grant.	
PPA	DFS	Improve UST Operational Compliance: (a) maintain or increase number of field inspections to determine significant operational compliance.	
PPA	DFS	Improve UST Operational Compliance: (b) continuing to improve operational compliance by .5% over rate of previous year.	
PPA	DFS	Requirement to inspect all regulated UST facilities once every 3 years, complete all inspections by 8/8/10 (1year extension can be granted by EPA if necessary).	

Origin (e.g. PPA,MassDEP)	Bureau	EPA's Massachusetts DEP 2009 PPA Priorities & Commitments List (Goals, Objectives, Activities)	Year-End Status
PPA	DFS	Reduce Number of Confirmed UST Releases Annually - Regional target of <400; between FY03 and FY07, confirmed releases averaged 301 (<4% of National total).	
PPA	DFS	Evaluate existing UST Statutory Authority to determine whether the State has sufficient authority to adopt all upcoming Underground Storage Tanks Requirements Act (USTCA) requirements including, 2nd containment, delivery prohibition and operator training.	
PPA	DFS	Continue developing the design of operator training in 2008 to be in place by August 2009. All operators must be trained by 8/08/12.	
PPA	DFS	Develop capability to produce the USTCA public record which will include: the number, sources, and causes of underground storage tank releases; the record of compliance by USTs; and data on the number of UST equipment failures in State. First annual report due	
heading	BWSC	Objective 3.2 Restore Land	
heading	BWSC	Sub-Objective 3.2.1 By 2011, Reduce and Control the Risks Posed by Accidental and Intentional Releases of Harmful Substances Through Emergency Preparedness	
MassDEP	BWP	Continue to work on disaster debris management planning: Emergency preparedness (avian flu carcass plan, biowatch, disaster response)	Ongoing
PPA	BWSC	EPA will continue to work with the New England states on Homeland Security and emergency response readiness issues through routine, day-to-day coordination and the existing Regional Response Team mechanism.	Ongoing. BWSC staff continue to meet regularly with EPA, USCG, and state and local agencies responsible for Homeland Security. BWSC also coordinates with other MassDEP programs with related responsibilities.
MassDEP	BWSC	Implement comprehensive staff training program	Completed: Established a comprehensive training program that includes a three-year training matrix and an electronic certificate tracking system
MassDEP	BWSC	Maintain and upgrade equipment and supplies to meet needs	Ongoing: BWSC's bi-annual equipment and supplies procurement plan adequately meets equipment upgrade and supply needs. An electronic repair tracking system was modified to include additional repair vendors to optimize equipment repairs and maintenance
MassDEP	BWSC	Coordinate responses across MassDEP programs and with external agencies	Ongoing. BWSC staff continue to meet regularly with EPA, USCG, and state and local agencies responsible for response to environmental emergencies. BWSC also coordinates with other MassDEP programs with related responsibilities.
MassDEP	BWSC	Complete outfitting the mobile laboratory, ensure it is staffed across regions and programs, and provide training for assigned staff	Completed: Spent \$12,700 outfitting the FAST vehicle and provided 4 training sessions for 17 FAST staff, representing the four regions, Boston, and Lawrence
heading	BWSC	Sub-Objective 3.2.2 By 2011, Control the Risk to Human Health and the Environment at Contaminated Properties or Sites Through Clean-up, Stabilization, or other Action and Make Land Available for Reuse	